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Applied Science & Technology Index

1960

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Abbreviations of Periodicals Indexed

For full information consult pages ix to xii

A I Ch E J—Journal of the American Institute of Chemical Engineers
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ARS J—ARS Journal
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A S M E Trans—Transactions of the American Society of Mechanical Engineers
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Am Mach/Metalworking Manuf—American Machinist/Metalworking Manufacturing
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Am Soc Mech Eng Trans. See A S M E Trans
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Elec Constr & Maint—Electrical Construction and Maintenance
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Elec Manuf—Electrical Manufacturing
Elec World—Electrical World
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Eng & Min J—Engineering and Mining Journal
Eng J—Engineering Journal
Eng N—Engineering News-Record
Engineer—Engineer
Engineering—Engineering

Food Eng—Food Engineering
Food Tech—Food Technology
Foundry—Foundry
Franklin Inst J—Journal of the Franklin Institute

Gas—Gas
Gas Age—Gas Age
Geol Soc Bul—Bulletin of the Geological Society of America
Geophysics—Geophysics
Glass Ind—Glass Industry

Heating-Piping—Heating, Piping and Air Conditioning
Hydraulics & Pneumatics—Hydraulics and Pneumatics

I S A J—ISA Journal
Illum Eng—Illuminating Engineering, The Journal of the Illuminating Engineering Society

ABBREVIATIONS OF PERIODICALS INDEXED

Ind & Eng Chem—Industrial and Engineering Chemistry
Ind Chem—Industrial Chemist
Ind Finishing—Industrial Finishing
Ind Lab—Industrial Laboratories. The Magazine of Research and Development
Ind Med—Industrial Medicine and Surgery
Ind Phot—Industrial Photography
Ind Quality Control—Industrial Quality Control
Inland & Am Ptr & Lithogr—Inland and American Printer and Lithographer
Inst E E Proc—Proceedings of the Institution of Electrical Engineers
Inst Mech Eng Proc—Proceedings of the Institution of Mechanical Engineers
Inst Metals J—Journal of the Institute of Metals
Inst Pet J—Journal of the Institute of Petroleum
Inst Radio Eng Proc—Proceedings of the Institute of Radio Engineers
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Iron Age—Iron Age
Iron & Steel Eng—Iron and Steel Engineer
Iron & Steel Inst J—Journal of the Iron and Steel Institute

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J Agri & Food Chem—Journal of Agricultural and Food Chemistry
J Ap Chem—Journal of Applied Chemistry
J Ap Mech. See ASME Trans
J Ap Phys—Journal of Applied Physics
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J Eng Ind. See A S M E Trans
J Eng Power. See A S M E Trans
J Geol—Journal of Geology
J Heat Transfer. See A S M E Trans
J Math & Phys—Journal of Mathematics and Physics
J Metals—Journal of Metals
J Nutrition—Journal of Nutrition
J Pet Tech—Journal of Petroleum Technology
J Res Nat Bur Stand—Journal of Research of the National Bureau of Standards
J Sci Instr—Journal of Scientific Instruments

Light Metal Age—Light Metal Age
Lub Eng—Lubrication Engineering

Mach—Machinery
Machine Design—Machine Design
Mag of Stand—Magazine of Standards
Manuf Chem—Manufacturing Chemist
Marine Eng/Log—Marine Engineering/Log
Materials in Design Eng—Materials in Design Engineering
Math & Math Phys. See J Res Nat Bur Stand
Mech Eng—Mechanical Engineering
Metal Finishing—Metal Finishing
Metal Prog—Metal Progress
Metallurgia—Metallurgia. the British Journal of Metals
Mill & Factory—Mill & Factory
Min Cong J—Mining Congress Journal
Min Eng—Mining Engineering
Mod Materials Handling—Modern Materials Handling
Mod Metals—Modern Metals
Mod Phot—Modern Photography
Mod Plastics—Modern Plastics
Mod Textiles Mag—Modern Textiles Magazine

Noise Control—Noise Control
Nucleonics—Nucleonics

Oil & Gas J—Oil and Gas Journal
Op Res—Operations Research

Paint Oil & Chem R—Paint. Oil and Chemical Review
Paper Ind—Paper Industry
Pet Eng—Petroleum Engineer for Management
Pet Refiner—Petroleum Refiner
Phys & Chem. See J Res Nat Bur Stand
Phys Today—Physics Today
Pit & Quarry—Pit and Quarry
Plant—Plant Maintenance and Engineering
Plant & Power Services Eng—Plant and Power Services Engineer
Plant Eng—Plant Engineering
Plastics Tech—Plastics Technology
Plastics World—Plastics World
Plating—Plating
Power—Power
Power Apparatus & Systems—Power Apparatus and Systems
Power Eng—Power Engineering
Product Eng—Product Engineering
Prog Arch—Progressive Architecture
Pub Roads—Public Roads
Pub Works—Public Works

Q S T—QST

RCA R—RCA Review
R Sci Instr—Review of Scientific Instruments
Radio Corp Am R. See RCA R
Radio-Electronics—Radio-Electronics
Radio Propagation. See J Res Nat Bur Stand
Res/Develop—Research/Development
Research—Research. Applied in Industry
Roads & Sts—Roads and Streets
Rock Prod—Rock Products
Roy Aeronautical Soc J—Journal of the Royal Aeronautical Society
Rubber Age—Rubber Age
Rubber Chem & Tech—Rubber Chemistry and Technology
Rubber World—Rubber World

S A E J—SAE Journal
SMPTE J—Journal of the Society of Motion Picture and Television Engineers
Safety Maint—Safety Maintenance
Sci Am—Scientific American
Sewage & Ind Wastes—Sewage and Industrial Wastes
Soap & Chem Spec—Soap and Chemical Specialties
Soc Automotive Eng J. See S A E J
Soc Dyers & Col J—Journal of the Society of Dyers and Colourists
Soc Motion Picture & Television Eng J. See SMPTE J
Space/Aeronautics—Space/Aeronautics
Steel—Steel

Tappi—Tappi
Tech Assn Pulp & Paper Ind. See Tappi
Textile Ind—Textile Industries
Textile Res J—Textile Research Journal
Textile World—Textile World
Tool & Manuf Eng—Tool and Manufacturing Engineer
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Traffic Q—Traffic Quarterly

WPCF J—Journal of the Water Pollution Control Federation
Water & Sewage Works—Water & Sewage Works
Water Works Eng—Water Works Engineering
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Welding J—Welding Journal
Westinghouse Eng—Westinghouse Engineer
Wire & Wire Prod—Wire and Wire Products
Wireless World—Wireless World

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APPLIED SCIENCE & TECHNOLOGY INDEX

1960

EDITED BY
ROBERTA PURDY

INDEXERS
PASQUALE S. D'EPIRO, LENORE LANGSDORF, ELSA TOOM

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R. P.

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ASHRAE Journal. $5 m American Society of Heating. Refrigerating and Air-Conditioning Engineers. Inc. 234 Fifth Av. New York 1

Aerospace Engineering. $5 m Institute of the Aeronautical Sciences. Inc. 2 E 64th St. New York 21
Formerly Aero/Space Engineering; changed August. 1960

Air Conditioning, Heating and Ventilating. $5 m Industrial Press. 93 Worth St. New York 13

Aircraft Engineering. 40s; U.S. $6.50; Canada $6.50 m Bunhill Publications. Ltd. 12 Bloomsbury Square. London. W.C. 1

American Dyestuff Reporter. $7.50 bi-w Howes Pub. Co. 44 E 23d St. New York 10

American Gas Association Monthly. $5 m (bi-m Jl-Ag) American Gas Assn. Inc. 420 Lexington Av. New York 17

American Journal of Clinical Nutrition. $8 bi-m The American Journal of Clinical Nutrition. Inc. 466 Lexington Av. New York 17

American Journal of Physics. $10 m (except Je. Jl and Ag) American Institute of Physics. Inc. 335 E 45th St. New York 17
Beginning 1961 will be published monthly

American Journal of Public Health and the Nation's Health. $15 m American Public Health Association. Inc. 1790 Broadway. New York 19

American Machinist. $3 bi-w McGraw-Hill Pub. Co. Inc. 330 W 42d St. New York 36
Name changed to American Machinist/Metalworking Manufacturing February 8. 1960

American Machinist/Metalworking Manufacturing. $3 bi-w McGraw-Hill Pub. Co. Inc. 330 W 42d St. New York 36

American Mineralogist. $10 bi-m U.S. Geological Survey. Washington 25. D.C.

American Perfumer. $5 m Allured Pub. Corp. 418 N. Austin Blvd. Oak Park. Ill.
Formerly American Perfumer and Aromatics; changed July. 1960

American Perfumer and Aromatics. $5 m Allured Pub. Corp. 418 N. Austin Blvd. Oak Park. Ill.
Name changed to American Perfumer July. 1960
Extra number. Documentary Edition

American Scientist. $2.50 q Sigma Xi. 51 Prospect St. New Haven 11. Conn.

Analytical Chemistry. $5 m American Chemical Society. 1155 16th St. N.W. Washington 6. D.C.

Applications and Industry. $8 bi-m American Institute of Electrical Engineers. 33 W 39th St. New York 18

Applied Hydraulics and Pneumatics. $7 m Industrial Pub. Corp. 812 Huron Rd. Cleveland 15
Name changed to Hydraulics and Pneumatics June. 1960

Architectural Forum. The Magazine of Building. $6.50 m Time. Inc. 9 Rockefeller Plaza. New York 20

Architectural Record. $5.50 m F. W. Dodge Corp. 119 W 40th St. New York 18
Extra number published in Mid-May

Archives of Environmental Health. $8 m American Medical Association. 535 N Dearborn St. Chicago 10
Formerly A.M.A. Archives of Industrial Health; changed July. 1960

Audio. $4 m Radio Magazines. Inc. 204 Front St. Mineola. New York

Automation; The Magazine of Automatic Manufacturing Operations. $10 m Penton Pub. Co. Penton Bldg. Cleveland 13

Automobile Engineer. £3; U.S. $8.50; Canada $8.50 m Iliffe Production Publications. Ltd. Dorset House. Stamford St. London. S.E. 1

Automotive Industries. $10 s-m Chilton Co. Chestnut & 56th Sts. Philadelphia 39

Bell Laboratories Record. $2 m Bell Telephone Laboratories. Inc. 463 West St. New York 14

Bell System Technical Journal. $5 bi-m American Telephone and Telegraph Co. 195 Broadway. New York 7

British Plastics. £2 12s; U.S. $7.50; Canada $7.50 m Iliffe Industrial Publications. Ltd. Dorset House. Stamford St. London. S.E. 1

Bulletin of the American Association of Petroleum Geologists. $18 m American Association of Petroleum Geologists. Inc. Box 979. Tulsa. 1. Okla.

Bulletin of the American Ceramic Society. $6 m American Ceramic Society. 4055 N High St. Columbus 14. Ohio

Bulletin of the American Society for Testing Materials. $3.50 8 times a yr American Society for Testing Materials. 1916 Race St. Philadelphia 3

Bulletin of the Geological Society of America. $15 m Geological Society of America. H. R. Aldrich. sec. 419 W 117th St. New York 27

Canadian Chemical Processing. $6; U.S. $10 m Hugh C. Maclean Publications. Ltd. 1450 Don Mills Rd. Don Mills. Ontario. Canada

Canadian Journal of Chemical Engineering. $6; U.S. $7 bi-m Chemical Institute of Canada. 48 Rideau St. Ottawa 2. Ont.

Canadian Mining and Metallurgical Bulletin. $10; U.S. $12 m Canadian Institute of Mining and Metallurgy. 906 Drummond Bldg. Montreal. Que.

Ceramic Industry. $4 m Cahners Pub. Co. Inc. 5 So. Wabash Av. Chicago 3

Chemical and Engineering News. $6 w American Chemical Society. 1155 16th St. N.W. Washington 6. D.C.

Chemical Engineering. $3 bi-w McGraw-Hill Pub. Co. Inc. 330 W 42d St. New York 36

Chemical Engineering Progress. $6 m American Institute of Chemical Engineers. 25 W 45th St. New York 36

Chemistry and Industry. £5 w Society of Chemical Industry. 14 Belgrave Square. London. S.W. 1

Civil Engineering, the Magazine of Engineered Construction. $5 m American Society of Civil Engineers. 33 W 39th St. New York 18

Coal Age. $3 m McGraw-Hill Pub. Co. Inc. 330 W 42d St. New York 36

Combustion. $4 m Combustion Pub. Co, Inc, 200 Madison Av. New York 16

Communication and Electronics. $8 bi-m American Institute of Electrical Engineers. 33 W. 39th St. New York 18

Compressed Air Magazine. $5 m Compressed Air Magazine Co, 942 Memorial Parkway, Phillipsburg, N.J.

Concrete. $6 m Concrete Pub. Corp, 400 W Madison St, Chicago 6

Control Engineering. $3 m McGraw-Hill Pub. Co, Inc, 330 W 42d St, New York 36

Corrosion. $11 m National Association of Corrosion Engineers, Inc, 1061 M & M Bldg, Houston 2, Tex.

Diesel Power. $4 m Diesel Publications, Inc, 80 Lincoln Av, Stamford, Conn.

Domestic Engineering. $5 m Domestic Engineering Co, 1801 Prairie Av, Chicago 16

Drug and Cosmetic Industry. $3 m Drug Markets, Inc, 101 W 31st St, New York 1

Economic Geology and the Bulletin of the Society of Economic Geologists. $8.50 s-q Economic Geology Pub. Co. M. M. Leighton, Business Mgr, Urbana, Ill.

Electrical Communication. $2 q International Telephone and Telegraph Corp, 67 Broad St, New York 4

Electrical Construction and Maintenance. $3 m McGraw-Hill Pub. Co, 330 W 42d St, New York 36
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Electrical Engineering. $12 m American Institute of Electrical Engineers, 33 W 39th St, New York 18

Electrical Manufacturing. $15 m Conover-Mast Publications, Inc, 205 E 42d St, New York 17

Name changed to Electro-Technology October, 1960

Electrical World. $6 w McGraw-Hill Pub. Co, Inc, 330 W 42d St, New York 36

Electro-Technology. $15 m Conover-Mast Publications, Inc, 205 E 42d St, New York 17

Formerly Electrical Manufacturing; changed October, 1960

Electronic and Radio Engineer. £2 9s; U.S. and Canada $7.50 m Iliffe & Sons, Ltd, Dorset House, Stamford St, London, S.E. 1

Name changed to Electronic Technology January, 1960

Electronic Engineering. £1 16s; U.S. $5; Canada $5 m Morgan Brothers, Ltd, 28 Essex St, Strand, London, W.C. 2

Electronic Industries. $10 m Chilton Co, Chestnut & 56th Sts, Philadelphia 39

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Engineer. £5 10s; Canadian subs £5 5s w Morgan Brothers, Ltd, 28 Essex St, Strand, London, W.C. 2

Engineering. £5 10s; Canadian subs £5 5s w Engineering Ltd, 36 Bedford St, London, W.C. 2

Engineering and Mining Journal. $4 m McGraw-Hill Pub. Co, Inc, 330 W 42d St, New York 36

Engineering Journal. $6 m Engineering Institute of Canada, 2050 Mansfield St, Montreal 2, Que.

Engineering News-Record. $6 w McGraw-Hill Pub. Co, Inc, 330 W 42d St, New York 36

Food Engineering. $2 m Chilton Co, Chestnut & 56th Sts, Philadelphia 39

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Gas. $2 m Chilton Co, 56th & Chestnut Sts, Philadelphia 39

Gas Age combining Natural Gas, Gas Record, Gas Age. $5 bi-w Moore Pub. Co, Inc, 48 W 38th St, New York 18

Geophysics. $10 bi-m Society of Exploration Geophysicists, Colin Campbell, Business Manager, Box 1536, Tulsa 1, Okla.

Glass Industry. $5 m Ogden Pub. Co, 55 W 42d St, New York 36

Heating, Piping and Air Conditioning. $3 m Keeney Pub. Co, 6 N Michigan Av, Chicago 2

Hydraulics and Pneumatics. $7 m Industrial Pub. Corp, 812 Huron Rd, Cleveland 15

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ISA Journal. $4 m Instrument Society of America, 313 6th Av, Pittsburgh 22

Illuminating Engineering, the Journal of the Illuminating Engineering Society. $18 m Illuminating Engineering Society, 1860 Broadway, New York 23

Industrial and Engineering Chemistry. $5 m American Chemical Society, 1155 16th St, N.W. Washington 6, D.C.

Industrial Chemist. 40s m Tothill Press, Ltd, 33 Tothill St, Westminster, London, S.W. 1

Industrial Finishing. $3 m Practical Publications, Inc. 1142 N. Meridian St, Indianapolis 4

Industrial Laboratories, the Magazine of Research and Development. $10 m F. D. Thompson Publications, Inc, 201 N. Wells St, Chicago 6

Name changed to Research/Development January, 1960

Industrial Medicine and Surgery. $6 m Industrial Medicine Pub. Co, 400 S.W. 69th Av, Miami 44. Fla.

Industrial Photography. $6 m Photography in Business, Inc, 10 E 40th St, New York 16

Industrial Quality Control. $9 m American Society for Quality Control, Inc, 161 W Wisconsin Av, Milwaukee 3

Inland and American Printer and Lithographer. $5 m Maclean-Hunter Pub. Corp, 79 W Monroe St, Chicago 3

Instruments and Control Systems. $4 m Instruments Pub. Co, Inc, 845 Ridge Av, Pittsburgh 12

Iron Age. $15 w Chilton Co, Inc, Chestnut & 56th Sts, Philadelphia 39

Iron and Steel Engineer. $7.50 m Association of Iron and Steel Engineers, 1010 Empire Bldg, Pittsburgh 22

Journal American Water Works Association. m American Water Works Assn, 2 Park Av, New York 16

Journal of Agricultural and Food Chemistry. $20 bi-m American Chemical Society, 1155 16th St, N.W, Washington 6, D.C.

Journal of Applied Chemistry. £15 m Society of Chemical Industry, 14 Belgrave Square, London, S.W. 1

Journal of Applied Physics. $14 m American Institute of Physics, 335 E 45th St, New York 17

$12 to members and associate members of the American Institute of Physics

Journal of Colloid Science. $20 bi-m Academic Press Inc, Mt Royal & Guilford Avs, Baltimore 2

Journal of Geology. $10 bi-m University of Chicago Press. 5750 Ellis Av, Chicago 37

Journal of Mathematics and Physics. $8 q Massachusetts Institute of Technology, Cambridge 39, Mass.

Journal of Metals. $10 m American Institute of Mining, Metallurgical and Petroleum Engineers, Inc, 29 W 39th St, New York 18

Journal of Nutrition. $22.50 m Wistar Institute of Anatomy and Biology, 36th St at Spruce, Philadelphia 4

Journal of Petroleum Technology. $8 m Society of Petroleum Engineers of AIME, 6300 North Central Expressway, Dallas 6

Journal of Research of the National Bureau of Standards. Superintendent of Documents, Washington 25, D.C.

Published in 4 sections: A, Physics and Chemistry $4 bi-m; B, Mathematics and Mathematical Physics $2.25 q; C, Engineering and Instrumentation $2.25 q; D, Radio Propagation $4 bi-m

Journal of Scientific Instruments. £6; U.S. $17 m Institute of Physics and the Physical Society, 47 Belgrave Square, London, S.W. 1

Journal of the Aerospace Sciences. $15 m Institute of the Aeronautical Sciences, Inc, 2 E 64th St, New York 21

Formerly Journal of the Aero/Space Sciences; changed August, 1960

Journal of the American Ceramic Society; Ceramic Abstracts. $20 including Ceramic Bulletin m American Ceramic Society, 4055 N High St, Columbus 14, Ohio

Journal of the American Chemical Society. $30 s-m American Chemical Society, 1155 16th St, N.W, Washington 6, D.C.

Journal of the American Concrete Institute. $18 m American Concrete Institute, P.O. Box 4754 Redford Station, Detroit 19, Mich.

Journal of the American Institute of Chemical Engineers. $9 q American Institute of Chemical Engineers, 25 W 45th St, New York 36

Journal of the American Oil Chemists' Society. $8 m American Oil Chemists' Society, 35 E Wacker Drive, Chicago 1

Journal of the American Society of Naval Engineers. $12 q American Society of Naval Engineers, Inc, 1012 14th St, N.W, Washington 5, D.C.

Journal of the Association for Computing Machinery. $10 q Association for Computing Machinery, 14 E 69th St, New York 21

Journal of the Audio Engineering Society. $8 q Audio Engineering Society, P.O. Box 12, Old Chelsea Station, New York 11

Journal of the British Institution of Radio Engineers. 80s m British Institution of Radio Engineers, 9 Bedford Square, London, W.C. 1

Journal of the Electrochemical Society. $24 m Electrochemical Society, 1860 Broadway, New York 23

Journal of the Franklin Institute. $10 m Franklin Institute of the State of Pennsylvania, Benjamin Franklin Parkway at 20th St, Philadelphia 3

Journal of the Institute of Metals. 180s m Institute of Metals, 17 Belgrave Square, London, S.W. 1

Journal of the Institute of Petroleum. £4 14s 6d m Institute of Petroleum, 61 New Cavendish St, London, W. 1

Journal of the Iron and Steel Institute. £12 m Iron and Steel Institute, 4 Grosvenor Gardens, London, S.W. 1

Journal of the Royal Aeronautical Society. £7 10s m Royal Aeronautical Society, 4 Hamilton Place, London, W. 1

Journal of the Society of Dyers and Colourists. £7 m Society of Dyers and Colourists, Dean House, 19 Piccadilly, Bradford 1, Yorkshire, England

Journal of the Society of Motion Picture and Television Engineers. $12.50 m Society of Motion Picture and Television Engineers, 55 W 42d St, New York 36

Journal of the Water Pollution Control Federation. $10 m Water Pollution Control Federation, 4435 Wisconsin Av, N.W, Washington 16, D.C.
Formerly Sewage and Industrial Wastes; changed January, 1960

Light Metal Age. $4 bi-m Roy Fellom, Jr, 549 W Randolph St, Chicago 6

Lubrication Engineering. $6 m American Society of Lubrication Engineers, 5 N. Wabash Av, Chicago 2

Machine Design. $10 bi-w Penton Pub. Co, Penton Bldg, Cleveland 13

Machinery. $10 m Industrial Press, 93 Worth St, New York 13

Magazine of Standards. $7 m American Standards Association, Inc, 10 E 40th St, New York 16

Manufacturing Chemist. £2 10s m Leonard Hill, Ltd, Eden St, London, N.W. 1

Marine Engineering/Log. $4 m (s-m in May) Simmons-Boardman Pub. Corp, 30 Church St, New York 7

Materials in Design Engineering. $3 m Reinhold Pub. Corp, 430 Park Av, New York 22
Extra number published in Mid-November

Mechanical Engineering. $7 m American Society of Mechanical Engineers, 29 W 39th St, New York 18

Metal Finishing. $5 m Metals and Plastics Publications, Inc, 381 Broadway, Westwood, N.J.

Metal Progress. $9 m American Society for Metals, Metals Park, Novelty, Ohio

Metallurgia, the British Journal of Metals. 30s m Kennedy Press, Ltd, 31 King St, W, Manchester 3

Mill & Factory. m Conover-Mast Publications, Inc, 205 E 42d St, New York 17
Price on request

Mining Congress Journal. $3 m American Mining Congress, 1102 Ring Bldg, Washington 6, D.C.

Mining Engineering. $8 m American Institute of Mining, Metallurgical and Petroleum Engineers, Inc, 29 W 39th St, New York 18

Modern Materials Handling. $8 m Modern Materials Handling, 221 Columbus Av, Boston 16

Modern Metals. $10 m Modern Metals Pub. Co, 435 N. Michigan Av, Chicago 11

Modern Photography. $4 m Photography Pub. Corp, 33 W 60th St, New York 23

Modern Plastics. $8 m Modern Plastics, Inc, 770 Lexington Av, New York 21

Modern Textiles Magazine. $5 m Rayon Pub. Corp, 303 Fifth Av, New York 16

Noise Control. $8 bi-m Noise Control, 335 E 45th St, New York 17

Nucleonics. $8 m McGraw-Hill Pub. Co, Inc, 330 W 42d St, New York 36

Oil and Gas Journal. $5 w Petroleum Pub. Co, 211 South Cheyenne Av, Tulsa 3, Okla.

Operations Research. $10 bi-m Operations Research Society of America, Mt Royal and Guildford Avs, Baltimore 2

Paint, Oil and Chemical Review. $3 bi-w Trade Review Co, 332 W Harrison St, Oak Park, Ill.

Paper Industry. $3 m Fritz Publications, Inc, 431 S Dearborn St, Chicago 5

Petroleum Engineer for Management. $8 m Petroleum Engineer Pub. Co, 800 Davis Bldg, Dallas 2
Extra number published July 15

Petroleum Refiner. $3 m Gulf Pub. Co, Box 2608, Houston 1, Tex.

Physics Today. $4 m American Institute of Physics, 335 E 45th St, New York 17

Pit and Quarry. $3 m Pit and Quarry Publications, Inc, 431 S Dearborn St, Chicago 5

Plant and Power Services Engineer. $10 m Putman Pub. Co, 111 E Delaware Place, Chicago 11
Discontinued June, 1960

Plant Engineering. $10 m Technical Pub. Co, 308 E James St, Barrington, Ill.

Plant Maintenance and Engineering. $6 m Hitchcock Pub. Co, Wheaton, Ill.

Plastics Technology, the Magazine of Applied Engineering. $7 m Bill Brothers Pub. Corp, 630 Third Av, New York 17

Plastics World. $5 m Cleworth Pub. Co, Inc, 1 River Road, Cos Cob, Conn.

Plating. $5 m American Electroplaters' Society, Inc, 5800 N Marvine St, Philadelphia 41

Power. $3 m McGraw-Hill Pub. Co, Inc, 330 W 42d St, New York 36

Power Apparatus and Systems. $8 bi-m American Institute of Electrical Engineers, 33 W 39th St, New York 18

Power Engineering. $10 m Power Engineering, 308 E James St, Barrington, Ill.

Proceedings of the American Society of Civil Engineers. $40 m American Society of Civil Engineers, 33 W 39th St, New York 18

Proceedings of the Institute of Radio Engineers. $18 m Institute of Radio Engineers, Inc, 1 E 79th St, New York 21

Proceedings of the Institution of Electrical Engineers. The Institution, Savoy Place, Victoria Embankment, London, W.C. 2
Published in 2 parts: pt A, Power Engineering, bi-m (F); pt B, Electronic and Communication Engineering (including Radio Engineering) bi-m (Ja)

Proceedings of the Institution of Mechanical Engineers. separate papers Institution of Mechanical Engineers, 1 Birdcage Walk, Westminster, London, S.W. 1

Product Engineering. $3 w McGraw-Hill Pub. Co, Inc, 330 W 42d St, New York 36
Extra number published in Mid-September

Progressive Architecture. $5 m Reinhold Pub. Corp, 430 Park Av, New York 22

Public Roads. $1 bi-m Superintendent of Documents, Washington 25, D.C.

Public Works. $5 m Public Works Journal Corp, 200 S Broad St, Ridgewood, N.J.

QST. $5 m American Radio Relay League, Inc, 38 La Salle Rd, West Hartford 7, Conn.

RCA Review. $2 q Radio Corporation of America, RCA Laboratories Division, Princeton, N.J.

Radio-Electronics. $5 m Gernsback Publications, Inc, 154 W 14th St, New York 11

Research, Applied in Industry. 65s; U.S. $10.75 m Butterworths Publications, Ltd, 88 Kingsway, London, W.C. 2

Research/Development. $10 m F. D. Thompson Publications, Inc, 201 N. Wells St, Chicago 6
Formerly Industrial Laboratories; changed January, 1960

Review of Scientific Instruments. $11 m American Institute of Physics, 335 E 45th St, New York 17
$9 to members of scientific societies

Roads and Streets. $6 m Gillette Pub. Co, 22 West Maple St, Chicago 10

Rock Products. $3 m Maclean-Hunter Pub. Corp, 79 W Monroe St, Chicago 3

Rubber Age. $5 m Palmerton Pub. Co, Inc, 101 W 31st St, New York 1

Rubber Chemistry and Technology. $9.50 5 times a yr American Chemical Society, Division of Rubber Chemistry, Prince and Lemon Sts, Lancaster, Pa.

Rubber World. $5 m Bill Brothers Pub. Corp, 630 3d Av, New York 17

SAE Journal. $12 m Society of Automotive Engineers, Inc, 485 Lexington Av, New York 17

Safety Maintenance. $4 m Alfred M. Best Co, Inc, 75 Fulton St, New York 38

Scientific American. $6 m Scientific American, Inc. 415 Madison Av, New York 17

Sewage and Industrial Wastes. $7.50 m Federation of Sewage and Industrial Wastes Associations, 4435 Wisconsin Av, N.W, Washington 16, D.C.
Name changed to Journal of the Water Pollution Control Federation January, 1960

Soap and Chemical Specialties. $4 m MacNair-Dorland Co, Inc, 254 W 31st St, New York 1

Space/Aeronautics. $10 m Conover-Mast Publications, Inc, 205 E 42d St, New York 17
Extra number, Research and Development Handbook, 1960-1961

Steel. $10 w Penton Pub. Co, Penton Bldg, Cleveland 13

Tappi. $10 m Technical Association of the Pulp and Paper Industry, 360 Lexington Av, New York 17

Textile Industries. $2 m W. R. C. Smith Pub. Co, 806 Peachtree St, N.E. Atlanta 8
Extra number published in Mid-September

Textile Research Journal. $25 m Textile Research Institute, Inc, Publications Department, P.O. Box 625, Princeton, N.J.

Textile World. $2 m McGraw-Hill Pub. Co, Inc, 330 W 42d St, New York 36
Extra number published in Mid-July

Tool and Manufacturing Engineer. $6 m (s-m in June) American Society of Tool Engineers, 10700 Puritan Av, Detroit 38
Formerly Tool Engineer; changed September, 1960

Tool Engineer. $6 m (s-m in June) American Society of Tool Engineers, 10700 Puritan Av, Detroit 38
Name changed to Tool and Manufacturing Engineer September, 1960

Traffic Quarterly. q Eno Foundation for Highway Traffic Control, Inc, Saugatuck, Conn.
Price on request

Transactions of the American Society of Mechanical Engineers. $10 American Society of Mechanical Engineers, 29 W 39th St, New York 18
Published in 5 parts: ser A, Journal of Engineering for Power, q (Ja); ser B, Journal of Engineering for Industry, q (F); ser C, Journal of Heat Transfer, q (F); ser D, Journal of Basic Engineering, q (Mr); ser E, Journal of Applied Mechanics, q (Mr)
$5 to members and affiliates

Water & Sewage Works. $5 m Scranton Pub. Co, 185 N Wabash Av, Chicago 1
Two numbers published in October, included in annual subscription

Water Works Engineering. $3 m Water Works Engineering, 466 Lexington Av, New York 17

Welding Engineer. $3 m Welding Engineer Publications, Inc, P.O. Box 28, Morton Grove, Ill.
Extra number published in Mid-June

Welding Journal. $8 m American Welding Society, 33 W 39th St, New York 18

Westinghouse Engineer. $2.50 bi-m Westinghouse Engineer, P.O. Box 2278, 3 Gateway Center, Pittsburgh 30

Wire and Wire Products. $8 m Quinn-Brown Pub. Corp, 453 Main St, Stamford, Conn.

Wireless World. £1 15s; U.S. $5; Canada $5 m Iliffe Electrical Publications, Ltd, Dorset House, Stamford St, London, S.E. 1

Key to General Abbreviations

+	continued on later pages of the issue
abr	abridged
Ag	August
Ap	April
arch	architect
bibliog	bibliography
comp	compiled or compiler
cond	condensed
cont	continued
D	December
diag	diagram
ed	edited or edition or editor
F	February
il	illustrations
inc	incorporated
Ja	January
Je	June
Jl	July
Mr	March
My	May
N	November
n s	new series
no	number
O	October
p	page
pl	plate
por	portrait
pseud	pseudonym
pt	part
rev	revised
S	September
sup	supplement
tr	translated or translation or translator
v	volume
yrbk	yearbook

Sample entry: BOILERS, Marine
Oil firing
Water wash of bunker C retards boiler slag on Atlantic tanker. W. A. Walls and W. S. Proctor. il Marine Eng/Log 65:56-7+ Ja '60

Explanation: An illustrated article on the subject **BOILERS, Marine—Oil firing** entitled "Water wash of bunker C retards boiler slag on Atlantic tanker," by W. A. Walls and W. S. Proctor, will be found in volume 65 of Marine Engineering/Log, page 56-7 (continued on later pages of the same issue) the January 1960 number.

Applied Science & Technology Index

1960

ABS (alkyl benzenesulfonate). See Benzenesulfonates

ACTH

Isolation and structure of human corticotropin (ACTH). T. H. Lee and others. bibliog Am Chem Soc J 81:6084 N 20 '59

Studies on polypeptides; the synthesis of peptides related to the N-terminus of α-MSH and of the corticotropins. K. Hofmann and others. bibliog Am Chem Soc J 82:3715-21 Jl 20 '60

ADS. See Association of Diesel specialists

AALTO, Alvar

Alvar Aalto. Finn without borders. Arch Forum 112:116-23 F '60

ABBREVIATIONS

See also
Symbols

ABDOMEN

Diseases

Diagnosis of abdominal pain. M. Shapiro. Ind Med 29:385-8 Ag '60

ABERDEEN, South Dakota

Water supply

24-inch water line assures Aberdeen's growth potential. A. S. Mannes and B. A. Nagle. il map Water Works Eng 113:904 O '60

ABERRATION (optics)

Design criterion for correction of parallax at the best focus for definition. G. W. Hamstead. diag J Sci Instr 37:95-9 Mr '60

Spherical aberration due to initial path angle and lens curvature in aperture electron lenses. L. A. Harris. diag Inst Radio Eng Proc 48:368-9 Mr '60

ABIETIC acid

Synthesis of methyl (±)-desisopropyldehydroabietate. J. A. Barltrop and A. C. Day. bibliog Chem & Ind p 1450-1 N 14 '59

ABILENE, Texas

Streets

Contractor earns bonus on big downtown job; repaving of central business district streets. il Roads & Sts 103:66-8+ Ap '60

ABILITIES, incorporated

New look at Abilities, inc. D. M. Thompson. bibliog Ind Med 29:413-18 S '60

ABILITY

See also
Creative ability

ABILITY tests

Are creativity tests helpful? D. A. Schon. Product Eng 31:37-40 F 22 '60

Are psychological tests really necessary in our industry? H. T. Douglas, ed. Plastics Tech 5:48+ N '59

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How good are engineering aptitude tests? psychological tests. C. J. Lynch. il diags Product Eng 30:32-5 N 30 '59

How is your manpower measured? psychological tests as a personnel administration tool. A. R. Laney. Am Gas Assn Mo 42:34-5 My '60

How to run a testing program. J. D. Quinton. Pet Refiner 39:223-5 Mr '60

Logic networks aid psychological testing. C. C. Foster. il diags Electronics 32:70-1 O 16 '59

ABORTION

Illegal abortion as a public health problem. M. S. Calderone. Am J Pub Health 50:948-54 Jl '60

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Abrader is tailored to the job. S. Bortas. diags Product Eng 30:72-3 N 9 '59

Abrasion of rubber against abrasive paper. S. B. Ratner and N. V. Melnikova. bibliog diag Rubber Chem & Tech 32:1199-208 O '59

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Improved NBS abrasive jet method for measuring abrasion resistance of coatings. A. G. Roberts. bibliog il diag A S T M Bul p48-51 F '60; Abstract. Franklin Inst J 270:152-3 Ag '60

Proposed test for abrasiveness of pigments and paper fillers. R. D. Fraik and F. C. Schmutz. il Tappi 43:sup230A-3A Jl '60

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These machines grind, scratch, gouge, to measure abrasive wear. D. Gardner. il Product Eng 30:70-3 N 9 '59

ABRASIVE belts

Abrasive belts remove crown from stainless steel strip. W. N. Redstreake. il diags Iron Age 186:89-91 O 27 '60

Belt grinder finishes honeycomb accurately. il Steel 146:107 Ap 11 '60

Belt grinding of titanium sheet and plate; abstract. C. T. Olofson. Metal Prog 77:176+ My '60

Belt grinding takes role in precision finishing. il Metal Prog 78:66 N '60

Belts grind buckets and blades; cheaper, faster output of turbine components. L. F. Byrnes. il diags Am Mach/Metalworking Manuf 104:118 Mr 7 '60

Grinding belt encircles engine drive; rail grinder. il Machine Design 31:119 O 29 '59

Grinding opens new strip market; Wallingford steel co.; combining strip rolling with abrasive belt grinding. E. B. Cleborne. il diags Steel 147:98-9 O 24 '60

New technique aids belt grinding; Minnesota mining & mfg. co. Steel 147:70 O 31 '60

Planned program extends life of coated-abrasive belts. H. L. Weisbecker. Iron Age 186:88-9 O 13 '60

ABRASIVE wheels. See Grinding wheels—Manufacture

ABRASIVES

Abrasive compounds in barrel finishing. A. S. Kohler. diags Plating 47:59-62 Ja '60

Abrasives to smooth metal for painting. Ind Finishing 36:122-3 My '60

Descale steel for closer check. il diag Iron Age 186:82-3 N 3 '60

Diamond mine in your die room. J. Wiziarde. Wire & Wire Prod 35:1364-5+ O '60

How to avoid abrasive contamination of precision mechanical devices. L. M. Schetky. il Product Eng 31:51-4 Ag 15 '60

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Mechanical finishing of plastics with coated abrasives. R. J. Reid, jr. il Plastics World 18:24-6 Ag '60

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Norton spray dries SiC fines. Chem & Eng N 38:69 F 15 '60

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Selected natural diamond abrasive. Franklin Inst J 270:75 Jl '60

Selecting abrasives for economical cleaning. D. E. Neustadt. il Foundry 88:278+ My '60

Youthful vigor at 75; Norton co. il Mech Eng 82:60-1 Jl '60

See also

Abrasive belts
Metal finishing
Polishing
Polishing materials
Sandpaper

ABSENTEEISM (labor)

See also

Sickness

ABSORBENTS

Can you use ten per cent more lean oil circulating capacity? simple sponge oil unit may do the trick; Wichita, Kan. gasoline plant of Cities service oil co. D. F. Hogsett. bibliog flow diag diags Pet Eng 32:C9-13 Ap '60

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Absorption of chlorine by resin-treated textiles; abstract. W. Schefer. Am Dyestuff Rep 49:63 Ja 25 '60

Absorption of oxygen by nickel dimethylglyoximate in strong alkaline solutions. J. Selbin and J. H. Junkin. bibliog Am Chem Soc J 82:1057-8 Mr 5 '60

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Composition of the nitric oxide complexes of cupric halides. R. T. M. Fraser and W. E. Dasent. bibliog Am Chem Soc J 82:348-51 Ja 20 '60

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Mechanism of gas absorption from bubbles under shear. W. J. Timson and C. G. Dunn. bibliog diags Ind & Eng Chem 52:799-802 S '60

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Unit operations review; absorption and humidification. M. Leva and C. Y. Wen. bibliog Ind & Eng Chem 52:340-2 Ap '60

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Sound—Absorption

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Dynamics of sulfur dioxide inhalation. O. J. Balchum and others. bibliog A M A Archives Ind Health 21:564-9 Je '60

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Building materials
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Electric utilities
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Ventilation
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Airplane factories
Airplanes
Apartment houses
Atomic research laboratories
Auditoriums
Bank buildings
Churches
Cotton mills
Data processing service centers
Engineering laboratories
Factories

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Garment factories
Greenhouses
Hospitals
Hotels
Industrial buildings
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Committee on research

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Meeting, 200th, New York, Nov. 20; with text of reports. Am Dyestuff Rep 49:48-52 Ja 25 '60

Meeting, 201st, New York, Jan. 22. Am Dyestuff Rep 49:164-8 Mr 7 '60

Meeting, 202d, New York, May 27; with text of reports. Am Dyestuff Rep 49:701-6 S 19 '60

AMERICAN can company

Career opportunities for chemists and chemical engineers with Marathon, a division of American can co. il Chem & Eng N 38:38 pt 2 Ja 25 '60

AMERICAN ceramic society

Annual meeting, 62d, Philadelphia, April 24-28; with program and abstracts of papers. Am Cer Soc Bul 39:165-247 Ap 15 '60

Audit report, year ended Dec. 31, 1959. Am Cer Soc Bul 39:427 Ag 15 '60

Ceramic education committee report for 1959-1960. Am Cer Soc Bul 39:482-3 S 15 '60

Committee on research report for 1958-1959. Am Cer Soc Bul 38:677-8 N 15 '59

Committee on research report for 1959-1960. Am Cer Soc Bul 39:424-6 Ag 15 '60

Committee on student branches; report on the year's activities. Am Cer Soc Bul 38:679 N 15 '59

Corporation members. Am Cer Soc Bul 39:33-48+ Ja 15 '60

Fall meeting programs. Am Cer Soc Bul 39:420-3 Ag 15 '60

Membership roster. Am Cer Soc Bul 39:525-47+ O 15 '60

Pacific Coast regional meeting, 13th, Los Angeles, Oct. 19-21; program. Am Cer Soc Bul 39:476-8 S 15 '60; Cer Ind 75:64-5 O '60

Report to the trustees. O. G. Burch. Am Cer Soc Bul 39:320-1 Je 15 '60

Basic science division

Fall meeting, Cambridge, Mass. Sept. 14-15. Am Cer Soc Bul 38:722-3 D 15 '59

Glass division

Annual meeting, 62d, Philadelphia, April 24-28; program. Glass Ind 41:201+ Ap '60

Fall meeting, Wernersville, Pa. Oct. 15-16; abstracts of papers. Glass Ind 40:685-8+ D '59

Fall meeting, Bedford Springs, Pa. Oct. 12-14; program. Am Cer Soc Bul 39:470-2 S 15 '60; Glass Ind 41:547-8 O '60

Refractories division

Fall meeting, Bedford Springs, Pa. Oct. 6-8; program. Am Cer Soc Bul 39:468-9 S 15 '60

Structural clay products division

Fall meeting, French Lick, Ind. Oct. 27-29; program. Am Cer Soc Bul 39:474-5 S 15 '60

AMERICAN chemical society

Amendment of ACS constitution and bylaws. Chem & Eng N 38:105-6+ Mr 28 '60

ACS addresses, from pre-p.o. box to the present. W. R. Brode. il Chem & Eng N 38:114-18+ O 31 '60

ACS building cornerstone laid. il Chem & Eng N 37:25 D 14 '59

ACS editors take new posts. Chem & Eng N 37:21-2 D 21 '59

American chemical society headquarters building occupied ahead of schedule. il Anal Chem 32:sup49A-50A My '60

ACS solicits award nominations. Chem & Eng N 38:92-3 Ja 4 '60

ACS staff in new home; headquarters in Washington, D.C. il Chem & Eng N 38:80-3, cover Ap 25 '60

Board of directors minutes, Washington, Dec. 5-6, 1959. Chem & Eng N 38:70-83 Ja 18 '60

Board of directors minutes, Cleveland, April 5-14. Chem & Eng N 38:56-65 My 30 '60

Board of directors minutes, Washington, Je 3. Chem & Eng N 38:75-8 Jl 18 '60

Board of directors minutes, Sept. 11, and reports of committees. Chem & Eng N 38:62-8 O 31 '60

Committee on professional relations and status, 12 years of effort. Chem & Eng N 38:66-8 Ag 22 '60

Committee on professional training progress report. Chem & Eng N 38:77-82 Mr 21 '60

Council policy committee minutes and council minutes. Chem & Eng N 38:65-70+ My 30 '60

Council policy committee minutes and council minutes, New York, Sept. 12-13. Chem & Eng N 38:68-74 O 31 '60

Delaware Valley regional meeting, 3d, Philadelphia, Feb. 25; program. Chem & Eng N 38:90+ Ja 18 '60

Divisions elect new officers. Chem & Eng N 37:96+ D 7 '59

Elder takes the helm; president for 1960. Chem & Eng N 38:100 Ja 4 '60

Lobby mural stylizes chemical concepts. W. R. Brode. il Chem & Eng N 38:86-7 Ap 25 '60

National meeting, 137th, Cleveland, April 5-14; with program. Chem & Eng N 38:74-115 F 29; 41-3 Ap 18 '60

National meeting, 137th, Cleveland, Ohio, April 5-14; abstracts of papers of interest to rubber industry. Rubber Age 87:310-11 My '60

National meeting, 138th, New York, Sept. 11-16; program. Chem & Eng N 38:80-142 Ag 8 '60

1960 calendar of meetings and events. Chem & Eng N 38:62-8 F 1 '60

Officers, committees, and chapters of student affiliates. Chem & Eng N 38:71-8 Ag 22 '60

Official reports 1959. Chem & Eng N 37:64-70+ N 2 '59; 38:71-99 Mr 7 '60

Projected divisional programs. Chem & Eng N 38:82-7 Jl 25 '60

Society dedicates headquarters building in Washington. Chem & Eng N 38:34-5 O 17 '60

Society revises finances. M. H. Arveson. Chem & Eng N 38:78-81 Ja 11 '60

Southeastern regional meeting, Birmingham, Ala. Nov. 3-5; program. Chem & Eng N 38:76+ O 10 '60

Southwest regional meeting, 15th, Baton Rouge, Dec. 3-5; program. Chem & Eng N 37:94+ N 9 '59

Chemical abstracts service

Career opportunities. il Chem & Eng N 38:23 pt 2 Ja 25 '60

Division of analytical chemistry

National meeting, Cleveland, April 11-14; program. Anal Chem 32:sup39A-40A+ Mr '60

National meeting, 138th, New York, Sept. 11-16; program. Anal Chem 32:sup43A-8A Ag '60

Division of cellulose chemistry

National meeting, 136th, Atlantic City, Sept. 13-18; abstracts of papers. Paper Ind 41:552-4, 639-40 N-D '59

Division of rubber chemistry

Meeting, 77th, Buffalo, May 4-6; program and abstracts of papers. Rubber Age 87:80-3, 493-5 Ap, Je '60; Rubber World 142:104-7 Ap; 108-11 Je '60

Meeting, 78th, New York, Sept. 14-16; with program and abstracts of papers. Rubber Age 87:648-54; 88:107-8+ Jl, O '60; Rubber World 142:86-90+; 143:112-15 Jl, O '60

Officers; future meetings, sponsored rubber groups. Rubber Chem & Tech 32:sup iii-viii D '59

AMERICAN concrete institute

ACI in an expanding role. P. M. Ferguson. Am Concrete Inst J 31:1097-104 My '60

ACI technical committees; rosters as of May 1, 1960. Am Concrete Inst J 31:sup2-5+ Je '60

Annual meeting, 56th, New York, March 14-17. Civil Eng 30:103-4 My '60; Pit & Quarry 52:186 My '60; Eng N 164:61-2 Mr 24 '60

Annual meeting, 56th, New York, March 14-17; program and abstracts of papers. Am Concrete Inst J 31:sup 10-12 F; sup 1-7+ My '60

AMERICAN concrete institute—*Continued*

Annual report, 1959. Am Concrete Inst J 31: sup 1-6 Ap '60

Regional meeting, 12th, Mexico city, Nov. 2-5; with abstracts of papers. Am Concrete Inst J 31:sup 1-5+ F '60

Regional meeting, 13th, Tucson, Ariz. Oct. 31-Nov. 2; program. Am Concrete Inst J 32:sup3-6 O '60

AMERICAN cotton manufacturers institute

Textiles' new spokesman; J. M. Cheatham of Dundee mills is to become president. J. Campbell. Mod Textiles Mag 41:21-2 Ap '60

AMERICAN council to improve our neighborhoods

ACTION puts cost of total urban renewal at $42 billion a year over current spending. Arch Forum 112:5-6 My '60

AMERICAN die casting institute

Annual meeting, Chicago, Sept. 16-17. Foundry 87:150+ N '59

Annual meeting, Chicago, Sept. 14-15. Foundry 88:150+ N '60; Mod Metals 16:42+ O '60

AMERICAN electroplaters society

AES's living past presidents; portraits. Plating 47:654 Je '60

Annual meeting, Los Angeles. Steel 147:105 Ag 8 '60

Annual meeting, 47th, Los Angeles, July 24-28; with program and abstracts of papers. Plating 47:682-90, 837-47, 1043-53 Je-Jl, S '60; Metal Finishing 58:64-73 Jl; 46-51 S '60

Annual report. Plating 47:655-67 Je '60

Branch directory (as at Jan. 15). Plating 47: 203-6+ F '60

Financial report for the twelve-month fiscal period July 1, 1959-June 30, 1960. Plating 47:1062-5 S '60

Galaxy of western chartered branches. Plating 47:832-3 Jl '60

Los Angeles branch: AES's West Coast pioneer. Plating 47:678-9 Je '60

AMERICAN foundrymens society

AFS awards for 1960. Foundry 88:180-1 My '60

Castings congress and exposition, 64th, Philadelphia. Iron Age 185:113 My 19 '60

Castings congress and exposition, 64th, Philadelphia, May 9-13; with program, list of exhibitors and abstracts of papers. Foundry 88:168-79 My; 128-37, 203-4+ Je; 158+ Jl '60

AMERICAN gas association

A.G.A. covers the capital scene: A.G.A's Washington office. il Am Gas Assn Mo 42: 14-15+ Jl-Ag '60

A.G.A. nominates for 1960-1961. Am Gas Assn Mo 42:2-5 Jl-Ag '60

Annual meeting, 41st, Chicago, Oct 5-7; with abstracts of papers. Am Gas Assn Mo 41: 2-6+ N '59; Gas Age 124:17-37 O 29 '59

Annual meeting, 41st, Chicago, Oct. 5-7. ASHRAE J 1:98 N '59; Elec World 152:44-5 N 9 '59

Annual meeting, Atlantic City. Elec World 154:89 O 31 '60

Annual meeting, Atlantic City, Oct. 9-12; program, directors, section officers. Gas 36: 89-91 O '60

General management section conference, Pittsburgh. Am Gas Assn Mo 42:7-9+ Ap '60

Home service workshop, Chicago, Feb. 4-6. il Am Gas Assn Mo 42:2-5+ Mr '60

Kitchen planning seminar sharpens a new sales tool; Commercial kitchen planning seminar, East Lansing, Mich. Nov. 9-13. Am Gas Assn Mo 42:28+ F '60

Production conference, New York, May 23-24. Am Gas Assn Mo 42:29-31+ Jl-Ag '60

Public relations program wins top ASAE award. il Am Gas Assn Mo 41:2-3 D '59

Research and utilization conference, Cleveland, April 19-21. Am Gas Assn Mo 42:9-11+ Je '60

Sales conference on industrial and commercial gas, Houston, April 5-7. Am Gas Assn Mo 42:26-8+ My '60

Year of challenge, decision, self-appraisal. I. T. Wolfe. Gas Age 124:18 O 29 '59

AMERICAN gear manufacturers association

Annual meeting, 44th, Hot Springs, Va. June 5-8. Steel 146:117 Je 13 '60; Mach 66:159 Jl '60

AMERICAN industrial hygiene association

Measuring and controlling excessive heat in industry; symposium. il diags Air Cond Heat & Ven 56:67-75 N '59

President of the AIHA explains the hygienist's attitude in withdrawing from the Industrial health conference. E. P. Wheeler. Ind Med 28:528-9 N '59

AMERICAN institute of architects

Annual convention, 92d, San Francisco, April 18-22; with abstracts of papers. Arch Rec 127:9-10+ Je '60

Annual meeting, San Francisco, April 18-22. Prog Arch 41:77 My '60; Arch Forum 112: 6-7 Je '60

Medal for L. Mies van der Rohe. il Arch Forum 112:132-7 Ap '60

Segregation in Dallas, a problem in '62. Arch Forum 112:6 Ja '60

AMERICAN institute of chemical engineers

Annual meeting, 35th, Washington, Dec. 5-7; program. Chem Eng Prog 56:114-20 O '60

Joint heat transfer conference ASME-AIChE, 4th, Buffalo, Aug. 14-17. Mech Eng 82:126-8 O '60

Joint meeting with I.M.I.C, Mexico city, June 19-22; program. Chem Eng Prog 56: 122-8 Ap '60

National meeting, Atlanta, Feb. 21-24; program. Chem Eng Prog 56:116+ Ja '60

National meeting, Tulsa, Okla. Sept. 25-28; program. Chem Eng Prog 56:94-6+ Jl '60

AMERICAN institute of electrical engineers

Accountants' report. Elec Eng 79:688-90 Ag '60

AIEE fellows elected. Elec Eng 78:958-64, 1225-8; 79:103-6, 161-3, 420-6, 609-14, 694-7, 764-6 S, D '59-F, My, Jl-S '60

AIEE in electrical engineering education: yesterday or tomorrow? T. M. Linville. bibliog Elec Eng 79:551-3 Jl '60

Annual meeting, 75th, Philadelphia, Oct. 7-8. Elec Eng 78:1207-8+ D '59

Beginning our fourth quarter-century. J. H. Foote. Elec Eng 79:263-4 Ap '60

Constitution and bylaws. map Elec Eng 79: 850-71 O '60

Experience with the AIEE subcommittee test cell for gaseous insulation. M. L. Manning. bibliog il diags Power Apparatus & Systems p800-6; Discussion. 807 O '59

Fall general meeting, Chicago. Elec World 154:52-5+ O 31 '60

Fall general meeting, Chicago, Oct. 9-14; program. Elec Eng 79:747-55 S '60

Fall general meeting, Chicago, Oct. 11-16; with abstracts of papers. Elec Eng 78:1212-18+ D '59; Elec World 152:47-9+ N 9 '59

Fall general meeting, Chicago, Oct. 11-16; with program. Elec Eng 78:1039-47 O '59

Formation of proposed groups. W. A. Lewis. Elec Eng 79:386-7 My '60

Institute and Philadelphia, 1884. L. F. Hickernell. bibliog il plans diags Elec Eng 78: 1152-7 D '59

Institute technical groups. W. R. Clark. Elec Eng 79:793-800 O '60

Officers departments, and committees for 1960-61. Elec Eng 79:782-91 S '60

Pacific Coast general meeting, San Diego; abstracts of papers. Elec World 154:100-2+ S 19 '60

Pacific general meeting and Aero-Space transportation conference, San Diego, Aug. 8-12; abstracts of papers. Elec Eng 79:838-42 O '60

President-elect Linder looks at AIEE: interview. Elec World 154:42-3 Jl 18 '60

President's message. C. H. Linder. Elec Eng 79:837-8 O '60

Report of the AIEE board of directors, May 1, 1959-April 30, 1960. Elec Eng 79:686-7+ Ag '60

Summer general meeting, Atlantic City, June 19-24; program. Elec Eng 79:515-16+ Je '60

Summer meeting, Atlantic City, June 19-24; abstracts of papers. Elec World 154:41-6+ Jl 18 '60; Elec Eng 79:678-81 Ag '60

Winter general meeting, New York; abstracts of papers. Elec World 153:50-8+ Mr 7 '60

Winter general meeting, New York, Jan. 31-Feb. 5. Elec Eng 79:309-20 Ap '60

Winter general meeting, New York, Jan. 31-Feb. 5. Elec World 153:34-5 F 8 '60; Electronics 33:28-9 F 19 '60

Winter general meeting, New York; program. Elec Eng 79:79-94 Ja '60

Would you have student engineers any other way? AIEE student branches. S. Freeman, jr. Elec Eng 79:179-80 Mr '60

AMERICAN institute of mining, metallurgical and petroleum engineers

Annual meeting, 88th, New York, Feb. 14-18; with abstracts of papers of interest to mineral industries. Pit & Quarry 52:76-81 My '60

Annual meeting, New York, Feb. 14-19; with abstracts of papers. J Metals 12:411-16, 482-5, 637-40 My-Je, Ag '60

Electric furnace conference, 17th, Cleveland, Dec. 2-4; abstracts of papers. Foundry 88: 147-8+ F '60; J Metals 12:152-5 F '60

AMERICAN institute of mining, metallurgical and petroleum engineers—*Continued*

Joseph L. Gilson; AIME president, 1960. J Metals 12:118 F '60; J Pet Tech 12:12 F '60

Metallurgical society

Annual meeting, New York, Feb. 14-19; program and abstracts of papers. J Metals 12:65-84 Ja '60

Annual report. R. W. Shearman. J Metals 12:194-5 Mr '60

Carleton C. Long; Metallurgical society president, 1960. J Metals 12:119 F '60

Division chairmen of the Metallurgical society. J Metals 12:120 F '60

Fall meeting, Chicago; with abstracts of papers. J Metals 12:22-6 Ja '60

Fall meeting; Philadelphia. Oct. 17-20; program and abstracts of papers. J Metals 12:715-54 S '60

Iron and steel division electric furnace committee 17th annual conference, Cleveland, Dec. 2-4; program. J Metals 11:808-12 D '59

National open hearth steel committee and Blast furnace, coke oven, and raw materials committee, 43d conference, Chicago, April 3-6; program, committee members. J Metals 12:300-4+ Ap '60

National open hearth steel committee's local section reports. J Metals 12:296-9 Ap '60

1959 salary survey of the Metallurgical society. J Metals 12:455-8 Je '60

Officers of the Metallurgical society. J Metals 12:346-8 Ap '60

Society of mining engineers

Annual meeting, New York, Feb. 14-18; program and abstracts of papers. Min Eng 11:1222-32; 12:22-7 D '59-Ja '60

1960 membership directory. Min Eng 12:679+ Jl '60

What is SME? il map Min Eng 12:231-42 Mr '60

Society of petroleum engineers

Annual fall meeting, 35th. Denver; program and abstracts of papers. J Pet Tech 12:47-59 S '60

Joint technical meeting, 1st, with Petroleum and natural gas division, C.I.M. Rocky Mountain petroleum sections, Calgary, May 4-6. Can Min & Met Bul 53:467-9 Jl '60

Review of SPE progress in 1959. J. S. Bell. J Pet Tech 11:43 D '59

Wayne E. Glenn, 1960 president, Society of petroleum engineers. J Pet Tech 12:11 F '60

AMERICAN institute of physics

AIP documentation research project. R. E. Maizell. Phys Today 13:42+ O '60

Annual report. Phys Today 13:16-25 My '60

AMERICAN institute of plant engineers

Annual meeting, Philadelphia, Jan. 24. Plant Eng 14:142-3 Mr '60

Members of the Cleveland chapter check on themselves. P. P. Weidinger and O. B. Patton. Plant Eng 14:114-15 S '60

New AIPE chapters formed. Plant Eng 14:162-3 S '60

Plant engineers activities. Plant Eng 14:149-50 Jl '60

Rose Bowl chapter formed, becomes 50th chapter. Plant Eng 13:136 D '59

Texas, Oklahoma plant engineers; five chapters in progressive conference; region 9 created, Texas, Oklahoma, Arkansas, Louisiana and Mississippi. il Plant Eng 14:160 Je '60

AMERICAN institute of steel construction

National engineering conference, 12th, Denver. Eng N 164:24-5 My 12 '60

AMERICAN iron and steel institute

Annual meeting, 68th, New York. Steel 146:38-9 My 30 '60

General meeting, 68th, New York, May 25-26; selected papers. Iron & Steel Eng 37:165-85 Ag '60

AMERICAN machine and foundry company

Chemical research laboratory

Career opportunities for chemists and chemical engineers. il Chem & Eng N 38:15 pt 2 Ja 25 '60

AMERICAN machine tool distributors association

Annual meeting, 35th, St. Louis. Oct. 25-27. Am Mach 103:132 N 16 '59; Automotive Ind 121:97-8 N 15 '59

Annual meeting, 36th, Chicago. Sept. 3-4; abstracts of papers. Am Mach/Metalworking Manuf 104:100-1 S 19 '60

Spring meeting, White Sulphur Springs, W. Va. April 18-20; abstracts of papers. Am Mach/Metalworking Manuf 104:102 My 2 '60

AMERICAN material handling society

Roster of national officers is all-new. Mod Materials Handling 15:103-4 Jl '60

AMERICAN medical association

Activities of the committee on maternal and child care of the American medical association. P. S. Barba. bibliog Am J Pub Health 50:976-9 Jl '60

AMERICAN mining congress

Annual business meeting, New York, Nov. 30. Min Cong J 46:58-9 Ja '60

Annual meeting, Denver, Sept. 14-16; abstracts of papers on developments in industrial minerals. Pit & Quarry 52:96-8 N '59

Coal division meeting, Pittsburgh, Nov. 5; with abstracts of papers. Min Cong J 45:65-8 D '59

Coal division meeting, Pittsburgh, May 8-12; program, officers, chairman, vice-chairmen and others. Min Cong J 46:34-43 Ap '60

Coal division meeting, Pittsburgh, May 8-12; with abstracts of papers. Coal Age 65:130-44 Je '60; Min Cong J 46:41-54 Je '60

Coal division meeting, Pittsburgh, Nov. 17-18; program. Min Cong J 46:80-1 O '60

Meeting, Denver; abstracts of papers. Eng & Min J 160:18-19+ O '59

Metal mining and industrial minerals convention, Denver. Rock Prod 62:89+ D '59

Metal mining and industrial minerals convention, Denver, Sept. 14-17; declaration of policy and abstracts of papers. Min Cong J 45:64-88 O '59

Metal mining and industrial minerals convention and exposition, Las Vegas, Oct. 10-13. Min Eng 12:1179-81 N '60

Metal mining and industrial minerals convention, Las Vegas, Oct. 10-13; program, floor plans, list of exhibitors. Eng & Min J 161:103-9 S '60; Min Cong J 46:33-56 S '60

AMERICAN national exhibition in Moscow

Designing the Moscow exhibit. il diags Arch Rec 126:169-76 N '59

U.S. pavilion in Moscow constructed of reinforced plastics umbrellas. il Mod Plastics 37:86-8+ D '59

AMERICAN nuclear society

Annual meeting, Gatlinburg, Tenn. June 15-17. Metal Prog 77:198+ F '60

Isotopes and radiation, division meeting, Chicago. Nucleonics 18:94+ Ag '60

Meeting, Chicago. Electronics 33:38-9 Jl 1 '60

AMERICAN oil chemists society

Annual fall meeting, 33d, Los Angeles, Sept. 28-30; abstracts of papers. Soap & Chem Spec 35:59-62+ N '59

Fall meeting, 34th, New York, Oct. 17-19; program. Am Oil Chem Soc J 37:22+ S '60

Presidential address. Am Oil Chem Soc J 37:sup4+ My '60

Report from the refining committee. Am Oil Chem Soc J 37:182-3 Ap '60

Report of the Journal advertising committee, 1959-60. Am Oil Chem Soc J 37:14+ Je '60

Report of the Smalley committee, 1959-1960. Am Oil Chem Soc J 37:246-7 My '60

Report of the spectroscopy committee, 1958-59. Am Oil Chem Soc J 36:627-31 D '59

Report of the uniform methods committee, 1959-60. Am Oil Chem Soc J 37:327-8 Jl '60

Second interim report of the A.O.A.C.-A.O.C.S. crude fiber liaison committee. diags Am Oil Chem Soc J 36:545-9 N '59

AMERICAN oil company

All Indiana Standard's operations to be included. F. O. Prior and J. E. Swearingen. map Pet Refiner 39:182+ Ag '60

AMERICAN optical society

Spring meeting, Washington, April 8-9. Bell Lab Rec 38:188-9 My '60

AMERICAN ordnance association

Annual preparedness meeting, New York. Product Eng 31:18-19 Ja 4 '60

AMERICAN paper and pulp association

Annual meeting, 83d, New York. Paper Ind 41:867+ Mr '60

Review of the activities of the APPA-NPA food additives liaison committee. R. C. Crain. Tappi 43:sup32A+ S '60

AMERICAN petroleum institute

API bureau fights fire with facts. Oil & Gas J 57:100-1 N 9 '59

Annual meeting, Chicago. Oil & Gas J 57:109-10 N 16 '59

AMERICAN pharmaceutical association

Scientific section meeting, Cincinnati; abstracts of papers. Am Perfumer & Aromatics 74:33+ D '59

AMERICAN photoengravers association

Annual meeting, 63d, Dallas, Oct. 18-21. Inland & Am Ptr & Lithogr 144:86-7 D '59

AMERICAN physical society

Annual meeting, 29th, New York, Jan. 27-30; abstracts of papers. Elec Manuf 65:9-11 Mr '60

AMERICAN power conference

Annual meeting, 22d, Chicago, March 29-31; abstracts of papers. Elec World 153:69-71+ Ap 25 '60; Combustion 31:43-7, 54, My; 48-54 Je '60; Plant 21:59-61 My '60; Power Eng 64:78-80+ My '60

Annual meeting, 22d, Chicago, March 29-31; program. Combustion 31:62+ F '60; Power Eng 64:83 Mr '60

AMERICAN public health association

APHA staff report for 1959. Am J Pub Health 50:383-99 Mr '60

Annual meeting, 88th, San Francisco, Oct. 31-Nov. 4; program. Safety Maint 120:55 Ag '60

Annual meeting, 88th, San Francisco, Oct. 31-Nov. 4; program, list of exhibitors, nominations for section offices. Am J Pub Health 50:1376-436 S '60

Committee on affiliated societies and regional branches of the American public health association; report of an inquiry on members and nonmembers. Am J Pub Health 50:1206-16 Ag '60

Committees 1959-1960. Am J Pub Health 50:227-53 F '60

Committees reports to the governing council at 87th annual meeting. Am J Pub Health 50:712-32 My '60

Dr Merrill, the new president. Am J Pub Health 49:1551-2 N '59

Report of the chairman of the executive board to the governing council 1958-1959. Am J Pub Health 50:555-60 Ap '60

Report of the chairman of the technical development board to the governing council 1958-1959. Am J Pub Health 50:561-73 Ap '60

AMERICAN public power association

Annual meeting, 17th, Washington. Elec World 153:44-5 My 9 '60

AMERICAN public works association

Annual meeting, 65th, Seattle, Sept. 20-23; with program. Pub Works 90:137-8+ S; 123-4+ D '59

Annual meeting. New York. Pub Works 91:131-2+ O '60

New bulletins. Published in monthly numbers of Public works

AMERICAN road builders association

Annual meeting, Cincinnati, Jan. 18-21. Roads & Sts 103:69+ Mr '60; Eng N 164:42-3 Ja 28 '60

AMERICAN rocket society

Annual meeting, Washington. Iron Age 184:56 N 26 '59; Electronics 32:41 D 11 '59

AMERICAN society for engineering education

Annual meeting, Lafayette, Ind.; with abstracts of papers. Eng N 164:20 Je 30 '60

Annual meeting, 68th, Lafayette, Ind. June 20-24. Mech Eng 82:102-4 Ag '60; Civil Eng 30:92 S '60

AMERICAN society for metals

ASM's electronic library speeds tech literature research. T. M. Rohan. il Iron Age 184:66-7 D 10 '59

Dedication of national headquarters, Sept. 14. il Metal Prog 78:64A-64L S '60

Electronic searching service scans 100,000 indexed documents per hour; ASM metals documentation service. Air Cond Heat & Ven 56:10 D '59

Geodesic building symbolizes new era in world of metals. il Plant 21:48 Ja '60

Machine searching; boon to research. Steel 146:38-9 Ja 11 '60

Metals documentation; a fast new problem-solving service. M. R. Hyslop. il Metal Prog 76:123-8 N '59

New ASM building; illustrations with text. Air Cond Heat & Ven 57:74 Mr '60

AMERICAN society for quality control

Annual convention and exhibition, 14th, San Francisco, May 23-June 1; program. Ind Quality Control 16:50-5 My '60

Annual convention, 14th, San Francisco. Ind Quality Control 17:25-32 Ag '60

Automotive division national conference, 3d, Detroit. Automotive Ind 122:57-61+ Ap 15 '60

Organization chart for 1960-61, and committee members. Ind Quality Control 17:38-41 O '60

What ASQC is doing for the quality control engineer. L. Bass. Ind Quality Control 16:4-8 D '59

AMERICAN society for testing materials

ASTM materials, and progress. F. L. LaQue. il A S T M Bul p20-1 D '59

ASTM president plans expansion. Eng N 165:57 Jl 7 '60

Annual meeting of committee D-12 on soaps and other detergents, New York, March 14-15. Soap & Chem Spec 36:149+ Ap '60

Annual meeting, 63d, Atlantic City; abstracts of papers. Automotive Ind 123:69+ Jl 15 '60

Annual meeting, 63d, Atlantic City, June 26-July 1. Eng N 165:26+ Jl 7 '60; Am Concrete Inst J 32:sup22+ Ag '60; Civil Eng 30:118 Ag '60

Annual meeting, 63d, Atlantic City, June 26-July 1; abstracts of papers of interest to the concrete industry. Concrete 68:18-19 O '60

Annual meeting, 63d, Atlantic City, June 26-July 1; with program, abstracts of papers, exhibits. A S T M Bul p7-30 Ap; 5-33 Jl '60

Annual meeting, 63d, Atlantic City; with abstracts of papers of interest to the rock products industry. Pit & Quarry 53:107-10+ S '60

Annual meeting, 63d; reports on standards. Mag of Stand 31:276-81 S '60

Committee D-11 on rubber and rubberlike materials spring meeting, Chicago, Feb. 3-5. Rubber Age 86:1037-40+ Mr '60

International aspects; president's address. F. L. LaQue. A S T M Bul p7-9 Jl '60

Marshall named executive secretary, Van Atta assumes post of treasurer. A S T M Bul p5 O '60

National meeting, San Francisco, Oct. 12-16; abstracts of papers. Aircraft Eng 32:55 F '60

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AMERICAN society of civil engineers

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Administrative committees and chairmen, April 1960-April 1961. Lub Eng 16:372-3 Ag '60

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Technical development committee, first report; magnetohydrodynamics, electric automobiles, energy storage, nuclear fusion, water resources. Mech Eng 81:124-5 O '59

Technology executives conference, 7th, Harriman, N.Y. Oct. 11-13. Mech Eng 81:115 N '59

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Applied mechanics division

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Gas turbine power division

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Combined gas turbine power and hydraulic conference, 1st, Houston, March 6-9. Mech Eng 82:122-5 My '60

Hydraulic division

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Maintenance and plant engineering division

Annual meeting, St Louis, April 25-26. Mech Eng 82:118-19 Je '60

Annual meeting, 3d St Louis, April 25-26; with abstracts of papers. Plant 21:50-1 Je '60

Metals engineering division

Conference, Los Angeles, April 25-29; technical program. Welding J 39:363-9 Ap '60

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Oil and gas power division

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Production engineering division

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Rubber and plastics division

Annual meeting, Atlantic City, Nov. 30. Rubber World 141:691 F '60

AMERICAN society of perfumers

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Annual report. Tool Eng 44:133-41 My '60

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AMERICAN society of tool engineers (now American society of tool and manufacturing engineers)

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Apartment houses, Cooperative
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Automobile sales buildings
Bridges—Architecture
Building materials
Buildings
Canopies (architecture)
Cathedrals
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Church architecture
Clinics
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College architecture
Community centers
Concrete construction
Courts (architecture)
Department stores
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Factories
Flashing
Hillside architecture
Interior decoration
Library buildings
Medical buildings
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Modular coordination (architecture)
Motor bus lines—Stations
Moving picture theaters
Mural painting and decoration
Museums
Music halls
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Nursing homes
Office buildings
Pavilions
Planetariums
Police stations
Public buildings
Recreation buildings
Remodeling (architecture)
Shelters
Stadiums
Store buildings
Telephone company buildings
Theaters
Tourist camps, hostels, etc.

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Berlin
Boston
Brasilia, Brazil
Canberra, Australia
Chicago
Coventry, England
Dallas
Detroit
Houston, Texas
London
Mexico (city)
Milan
Nagoya, Japan
New Harmony, Indiana
New Orleans
New York (city)
Newark, New Jersey
Oslo
Paris
Philadelphia
Pittsburgh
Portland, Oregon
Rome
San Francisco
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Seattle
Turin
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also subdivision Bearings under special subjects, e.g.

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Automobiles
Cars
Electric generators
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Hudson River bridges

Pipe lines—Bridge crossing

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Cleveland

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Portland, Oregon

Vancouver, British Columbia

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Careful blasting removes old lift bridge. il Roads & Sts 103:130-1+ S '60

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Novel deck saves steel and weight; Port Mann highway bridge, Canada. il diag Eng N 164:43 Je 16 '60

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Across a rugged Cuban ravine; a three-hinged arch. il Eng N 164:42-3 Je 30 '60

Old idea, new methods used for new bridge on old foundations; Zaza river. il Eng N 163:26-7 D 3 '59

Denmark

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Bridge towed 200 miles for erection, Pensacola bay, Fla. D. W. Milhan. il Civil Eng 30:76-9 Ag '60

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Precast, prestressed sections for Florida bridges. W. E. Dean. il diags Civil Eng 30:54-7 Jl '60

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Mobile cantilever forms used on long, high French bridge; Savines bridge. il Eng N 163:91-2+ N 19 '59

Germany

A-shaped tower supports Rhine bridge; Severin bridge, Cologne. il plan diags Eng N 164:34-6+ F 4 '60

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British open Kent lift bridge. il Eng N 165:49 Jl 14 '60

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Nine span bridge but no expansion joints. H. W. Stephenson. il map diags Engineering 190:308-9 S 2 '60

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Chesapeake Bay dream comes true; 17½-mile bridge and tunnel crossing. il map diags Eng N 165:27-8 Ag 11 '60

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Longest plate-girder span in U.S. completed; American Rapids bridge. E. H. Praeger and T. C. Kavanagh. il map diags Civil Eng 29:856-7, cover D '59

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Two bridge designs contrast but both of them call for aluminum. A. A. Trinidad, jr. il Eng N 164:38-40, cover Ja 21 '60

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Indus River bridge at Sukkur, Pakistan. il Engineer 209:104 Ja 15 '60

South Africa

Prestressed bridge is redesigned in mid-stream; Tugela River highway bridge, Natal. il Eng N 163:34-6 D 10 '59

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Construction of Tjörn bridge. il diags Engineer 209:148-50 Ja 22 '60

Tube-arch bridge spans Swedish fjord. il Eng N 164:34-6 My 5 '60

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Concreting methods reminiscent of 1920s. il Eng N 165:38-9 N 3 '60

Earth dikes protect pier sites. il Eng N 165: 35 Ag 25 '60

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Riveted aluminum bridges. il diag Mod Metals 16:48+ Mr '60

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Barge belts Pontchartrain bridge. il Eng N 164:32 F 4 '60

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Double deck lift span challenges builders; upper peninsula of Michigan. il Eng N 164:38-40 F 18 '60

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Mineralogical analysis
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Carbon dioxide
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Flue gas
Formaldehyde
Gasoline
Glass
Hydrocarbons
Oil fuel
Paper
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Airplanes
Castings
Chemical plants
Condensers (steam)
Conveying machinery
Electric motors
Electronic apparatus and instruments
Factories
Filters and filtration
Food factories

CLEANING—See also—*Continued*
Furnaces
Glassware
Heat exchangers
Looms
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Liquid level control
Machinery, Automatic
Magnetic control
Numerical control
Pneumatic control
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Telemetering
Temperature—Regulation
Vacuum tubes—Control uses

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Air compressors
Air conditioning equipment
Airplanes
Airplanes, Military
Atomic power plants
Blast furnaces
Boilers
Chemical plants
Cranes, derricks, etc.
Digesters (paper making)
Drug factories
Electric furnaces, Steel making
Electric motors, Alternating current
Electric motors, Direct current
Electric plants (central stations)
Electric precipitators
Feeders
Food machinery
Gas burners
Gas turbines
Guided missiles
Heat exchangers
Helicopters
Hydroelectric plants
Internal combustion engines
Lapping machines
Lathes
Machine tools
Machinery
Metal working plants
Metallurgical plants
Milling machines
Nailing machines
Nuclear reactors
Packaging machinery
Paper and pulp mills
Petroleum refineries
Plastics machinery
Power plants
Presses
Pumping machinery
Pumping machinery, Electric
Punching machinery
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Electric driving—Conveying machinery
Feeders
Hoisting machinery
Loading and unloading
Mechanical handling
Mine haulage
Mine hoisting
Monorail conveyors
Ore handling
Pneumatic conveying
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Belting, Conveyor

Coal mining machinery—Conveyors

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Air conditioning
Cold storage
Cooling towers
Cryostats
Heat convection
Heat pump
Refrigeration and refrigerating machinery

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See also

Cooling towers
Cooling water
Metals, Cold treatment of
Quenching
Steel, Quenching of

also subdivision Cooling under special subjects, e.g.

Airplanes, Jet propelled
Automobile engines
Blast furnaces
Brakes, Airplane
Brakes, Motor truck
Busbars
Calculating machines
Concrete
Diesel engines
Diesel engines, Automotive
Electric generators
Electric generators, Alternating current
Electric transformers
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Cooling towers

COOLING ponds

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Cooling towers

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Electric service, Rural—Cooperative lines

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Automobiles
Boilers
Chemical plants
Chimneys, Steel
Coal products plants
Condensers
Cooling towers
Copper
Heat exchangers
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Bathhouses
Bridges
Building
Canneries
Chemical plants
Concrete construction
Dams
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Dredging
Drug factories
Electric plants (central stations)
Food factories
Forge shops
Guided missile bases
Guided missiles
Harbors
Hospitals
Industrial buildings
Landscape gardening
Packaging
Petroleum refineries
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Electrohydraulic control
Electronic control
Radio control
Selsyn apparatus
Servomechanisms
Switchboards
Thyratron
Valves—Electric control
Voltage regulation

also subdivision Control and Control uses under special subjects, e.g.

Airplanes
Airplanes, Military
Electric heating
Electric motors
Electric motors, Alternating current
Electric motors, Direct current
Electric motors, Induction
Gas turbines
Hydroelectric plants
Machine tools
Pumping machinery, Electric
Radio transmitters
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Electric control
Electric distribution
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Electricity in mining
Electricity on the farm
Switchboards

also subdivision Electric equipment under special subjects, e.g.

Airplanes
Airplanes, Military
Airports
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Atomic research laboratories
Automobiles
Bank buildings
Bowling alleys
Brass works
Cars
Chemical plants
Coal mines and mining
College buildings
Cranes, derricks, etc.
Exhibition buildings
Factories
Foundries
Guided missile bases
Guided missiles
Hospitals
Laboratories
Motels
Office buildings
Office buildings, Government
Office buildings, Industrial
Paper and pulp mills
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Electric transmission
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Hydroelectric power
Magnetohydrodynamics
Power factor
Radio apparatus—Power supply
Steam plants—Combined power and heating
Tidal power
Wind tunnels—Power supply

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Lightning arresters
Lightning protection
Reactors
Relays
Spark gap
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Electric generators
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Concrete plants
Cotton mills
Electric plants (central stations)
Electric utilities
Food factories
Gas companies
Gas works
Highway departments
Knitting mills
Oil companies
Paint shops
Paper and pulp mills
Petroleum refineries
Power plants
Rock products plants
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Metallurgical education
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American society of tool engineers
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Engineering institute of Canada
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Chemical engineers
Civil engineers
Consulting engineers
Electric engineers
Engineering ethics
Engineering graduates
Engineering societies
Engineers joint council
Gelbard, Ely M.
Highway engineers
Industrial engineers
Mechanical engineers
Mining engineers
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Registration

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Air turbines
Automobile engines
Crankcases
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Flywheels
Fuel
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Internal combustion engines
Marine engines
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Steam turbines

ENGLAND

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Architecture, Domestic
Electric plants (central stations)
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Agricultural machinery
Air conditioning equipment
Atomic power
Automation
Automobiles
Chemical industries
Construction equipment
Electric apparatus and appliances, Domestic
Electronic apparatus and instruments
Furniture
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Gas industry
Graphic arts

EXHIBITIONS—See also—*Continued*

Instruments

Machine tools

Machinery

Mechanical handling

Motor trucks

Packaging

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Coal mines and mining—Accidents and explosions
Detonation
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Chemical plants—Maintenance and repair
Factories—Painting
Maintenance departments
Paint, Protective
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Maintenance departments—Records

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Windows

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Assembling methods
Bonus system
Control boards
Control charts
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Factory costs
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Industrial engineering
Industrial management
Industrial relations
Inspection
Inventories
Job work
Machine shop management
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Medical service, Industrial
Music in industry
Office management
Organization in industry
Packing for shipment
Photographic departments
Production
Production control
Purchasing
Quantities (in production)
Research departments
Safety devices and measures
Salvage (waste, etc.)
Schedules
Shipment of goods
Shipping departments
Standardization
Suggestion systems
Time keeping
Tool engineering
Tool rooms
Vacations
Visitors
also subdivision Management under special subjects, e.g.
Chemical plants
Drug factories
Food factories
Iron works
Knitting mills
Metal working plants
Paint shops
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See also
Banks and banking
Credit
Gold as money
Income
Inflation (finance)
Investments
Silver as money
also subdivision Finance under special subjects, e.g.
Building
Chemical industries
Colleges and universities
Electronic industries
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Gas industry
Oil companies
Paper industry and trade
Petroleum industry and trade
Quarries and quarrying
Roads
Rock products industry
Scientific research
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Budget—United States
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FINANCE, Personal

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Flock
Lacquer and lacquering
Paint
Polishing materials
Resinous products—Finishing materials

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Chemical industries
Engineering
Hydroelectric plants
Paper and pulp mills

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Fire protection
Sprinkling systems

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Fire apparatus
Fire boats
Fire extinction
Fire extinguishers
Fire resisting materials
Fire service (water supply)
Fireproof construction
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Inflammable liquids
Inflammable mixtures
Magnesium—Fire hazards
Sprinkling systems
also subdivision Fires and fire protection under special subjects e.g.
Airports
Chemical plants
Coal mines and mining
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Hangars
Machine shops
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Fire protection

Flames

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Oil fires

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Jets
Liquids
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Turbulence
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Foundry flasks
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Atomic research
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Gas, Natural
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Gas, Natural
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Electricity supply
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Bridges
Canals
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Cosmetic industry and trade
Drug trade
Electric apparatus industry
Electric industries
Electric plants (central stations)
Electric utilities
Electricity supply
Electronics industry
Engineering education
Engineers
Fertilizer industry
Food industry and trade
Fuel supply
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Iron industry and trade
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Fuel
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Gas heating
Heat pump
Heating, Warm air
Heating from central stations
Hot water heating
Insulation (heat)
Lighting—Heating aspects
Oil burners
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Refractory materials
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Steam plants—Combined power and heating
Ventilation

also subdivsion Heating and ventilation under special subjects, e.g

Airplane factories
Apartment houses
Automobile factories
Automobiles
Bank buildings
Barns and stables
Chemical laboratories
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See also subdivision Iran under special subjects, e.g.
Gas, Natural
Hydroelectric plants
Irrigation
Mines and mineral resources
Moving picture industry
Petroleum
Petroleum industry and trade
Petroleum pipe lines
Public health
Roads

IRAQ

See also subdivision Iraq under special subjects, e.g.
Bridges
Irrigation
Petroleum industry and trade
Petroleum pipe lines
Water supply

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Electronics industry
Geology
Hydroelectric plants
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Atomic power plants
Chemical industries
Electric plants (central stations)
Electronics industry
Equipment industries
Gas, Natural
Hydroelectric plants
Machine tool industry
Metal working industries
Mines and mineral resources
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Couplings
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Gaskets
Glass—Joining to metal
Packing
Pipe joints
Riveted joints
Screws
Solder and soldering
Welding

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KANSAS

See also subdivision Kansas under special subjects, e.g.
Gas, Natural
Geology
Mines and mineral resources
Petroleum
Petroleum industry and trade
Petroleum laws and regulations
Public health
Roads
Water supply

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Absorption of rays

Brightness

Color

Daylight

Diffraction

Glare

Infrared rays

Interference (light)

Lighting

Photochemistry

Photoelasticity

Photoelectric effect

Photometry

Plants, Effect of light on

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Radiation

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Refraction

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Moving picture projection
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Car lighting
Christmas lighting
Daylight
Electric lamps
Gas lighting
Glare
House lighting
Light projection
Office lighting
Photometry
Sports, Lighting for
Street lighting
Tunnel lighting

also subdivision Lighting under special subjects, e.g.

Airplanes
Airports
Automobile sales buildings

LIGHTING—See also—*Continued*
Bakers and bakeries
Ballrooms
Bank buildings
Barber shops
Baseball fields
Bookstores
Bowling alleys
Bridges
Brokers offices
Chemical laboratories
Chemical plants
Churches
Clubhouses
College buildings
Cotton mills
Department stores
Dining rooms
Drug factories
Electric plants (central stations)
Factories
Forge shops
Garages
Garment factories
Gymnasiums
Hangars
Heliports
Hospitals
Hotels
Kennels
Library buildings
Machine shops
Marinas
Medical laboratories
Moving picture photography
Museums
Night clubs
Photography
Printing offices
Recreation buildings
Repair shops
Restaurants
Roads
Salt Lake City
School buildings
Ships
Shoe stores
Shopping centers
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Sidewalks
Skating rinks
Stadiums
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LIGHTING, Decorative
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Christmas lighting

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Graphite
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Lubricators
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Oil films
Oil mists
Oil reclamation
Oil seals

also subdivision Lubrication under special subjects, e.g.

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Bending
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Chucks
Dies
Drafting room practice
Drilling and boring (metal working, etc.)
Forging
Foundry practice
Gages
Gear cutting
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Grinding machines
Grooving
Hard facing
Indexing (machine work)
Inspection
Lathes
Machine tools
Machinery
Mechanical handling
Metal cutting
Milling
Pantograph
Pattern making
Riveting
Sheet metal work
Stamping
Steel works
Thread cutting
Tolerance
Turning
Welding

also subdivision Manufacture under special subjects, e.g.

Automobile engines
Bearings
Bearings, Roller
Carburetors
Crankshafts
Cylinders (engines, etc.)
Gas turbines, Aircraft
Gearing
Guided missiles
Gyroscope
Keys and keyways (machinery)
Machine tools
Motor trucks
Motor trucks, Industrial
Pistons
Rockets
Shafts
Springs (mechanism)
Tanks
Trailers

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Punching machinery
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Electric measurements
Frequency measurement
Gages
Gas measurement
Length measurement
Magnetic measurements
Optical measurements
Photometry
Pitot tubes
Pressure measurement
Radio measurements
Standards of length
Stream measurement
Thickness measurement
Time measurement
Transistors—Measurement uses
Vacuum tubes—Measurement uses
Volume
Weighing
Wood measurement
X rays—Measurement uses

also subdivision Measurement under special subjects, e.g.

Beta rays
Distances
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Gearing
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Radiation
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Verniers
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Degreasing
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Broaching
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Cutting tools, Ceramic
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Electric cutting
Electrochemical cutting
Gas cutting
Gear cutting
Grooving
Lubrication and lubricants (cutting and grinding)
Machine tools
Milling
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Magnesium—Finishing
Molybdenum—Finishing
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Beryllium, Powdered
Cermets
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Iron, Powdered
Magnetite, Powdered
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Oxygen cutting—Powder lance cutting
Selenium, Powdered
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Aluminum coating
Chromizing
Electroplating
Enamel and enameling
Galvanizing
Glass coating
Metal coating
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Phosphate coating
Plastic coating
Zinc coating

also subdivision Protection under special subjects, e.g.

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Beryllium
Copper
Magnesium
Molybdenum
Niobium
Silver
Steel
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Heat treatment
Machine tools
Magnesium work
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Lathes
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Sheet metal working machinery
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Blast furnaces
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Smelting works
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Methanol; Commercial solvents corp. diag Pet Refiner 38:267 N '59

Methanol; Foster Wheeler corp. diag Pet Refiner 38:268 N '59

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See also
Sanitary districts
Water districts
also subdivision Metropolitan district under names of cities, e.g.
Cleveland
Detroit
Miami, Florida
Nashville, Tennessee
New York (city)
St Louis
Seattle
Washington, D.C.

MEVALONIC acid. See Dihydroxymethyl valeric acid

MEXICO

See also subdivision Mexico under special subjects, e.g.
Architecture
Cement industry and trade
Chemical industries
Drug trade
Electric industries
Electric utilities
Gas, Natural
Gas, Natural—Pipe lines
Gas industry
Geology
Lakes
Mines and mineral resources
Petroleum
Petroleum industry and trade

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Airplanes—Model testing
Architectural models
Boilers—Model testing
Bridges—Model testing
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Hydraulic models
Mathematical models
Mechanical models
Mine models

also subdivision Models under special subjects, e.g.

Atoms
Automobiles
Cable laying and supply ships
Crystallography
Electric lines
Gas compressors
Gas turbines, Aircraft
Kitchens
Machinery
Molecules
Petroleum refineries
Railroads
Roads
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Dampness in buildings
Evaporation
Humidity
Hygrometers
Soil moisture
Water vapor

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Coal
Compressed air
Food, Dried
Food, Frozen
Paper
Paper board
Rayon

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Plastics

Resinous products

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Nylon—Molding

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Airplane engines
Airplanes
Airplanes, Jet propelled
Amplifiers
Amplifiers, Transistor
Amplifiers, Vacuum tube
Automobile engines
Automobiles
Crystal diodes
Diesel engines
Electric motors
Electric resistors
Electric substations
Electric transformers
Electronic apparatus and instruments
Foundries
Gas turbines, Aircraft
Gas turbines, Marine
Guided missiles
Helicopters
Hospitals
Lawn mowers
Machinery
Magnetic tape
Motor boat engines, Outboard
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Refrigeration and refrigerating machinery
Refrigerators
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Architecture, Domestic
Mines and mineral resources
Public health
Water supply

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Blast furnaces
Cutting machines
Drilling and boring machinery
Forging machinery

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Grinding machines
Lathes
Looms
Machine tools
Manipulators
Milling machines
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Separators
Sintering
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Spontaneous combustion

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Barium oxide
Germanium oxides
Lead oxides
Nickel oxides
Rare earths
Scandium oxide
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Paint removers
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Airplanes, Military
Automobiles
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Electric conduits
Factories
Helicopters
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PAKISTAN
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Bridges
Gas, Natural
Geology
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Carrier current control
Containers, Pressurized
Cosmetics
Drugs
Electronics
Food industry and trade
Geophysics
Jet propulsion
Lubrication and lubricants
Machinery
Metal finishing
Minerals
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Perfumery
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Creep of plastics
Electric circuits—Plastics embedment
Electronic circuits—Plastics embedment
Extrusion process (plastics)
Molded products
Molding
Molding machines (for plastics)
Plastic coating
Plasticizers
Plastics engineering
Printing on plastics
Resinous products
Saran
Tools, Plastic
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Butane
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Sewers, Concrete

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Sanitary districts
Sewage disposal
Sewer cleaning
Sewer design
Sewer pipes
Sewers, Concrete
Water pollution

also subdivision Sewerage under names of places, e.g.

Asbury Park, New Jersey
Barberton, Ohio
Berkeley Heights, New Jersey
Boston
Burbank, California
Camden, New Jersey
Chicago
Cincinnati
Cleveland
Concord, North Carolina
Dallas
Dearborn, Michigan
Denver
Desert Lake Village, California
East Ridge, Tennessee
Fort Belvoir, Virginia
Fredericksburg, Virginia
Grand Rapids, Michigan
Hartford, Connecticut
Long Beach, New Jersey
Los Angeles
Morganton, North Carolina
New Hope, Minnesota
New York (city)
Ottawa
Philadelphia
Pittsburgh
Port Washington, New York
Red Wing, Minnesota
Reidsville, North Carolina
Richmond, Ind.
Ruidoso, New Mexico
San Francisco
San Jose, California
Seattle
South Charleston, West Virginia
Stockholm
Suffern, New York
Superior, Wisconsin
Toledo, Ohio
Troy, Pennsylvania
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Trade union buildings

Heating and ventilation

Heat new, unusual ASM building with three different methods. D. Nachman. il Heating-Piping 32:105-8 Mr '60

SOCIETY of automotive engineers

A-6 committee aircraft meetings; St Louis, Sept. 28; abstracts of papers. Ap Hydraulics & Pneumatics 12:106+ D '59

Annual meeting, Detroit. Machine Design 32: 32-4 F 4 '60

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Annual meeting, Detroit, Jan. 11-15; abstracts of papers and list of exhibitors. Automotive Ind 122:44-7 F 1; 63+ F 15 '60

SOCIETY of automotive engineers—*Continued*
- Annual meeting, New York, March 31-April 3; abstracts of papers. Aircraft Eng 31:312-14, 340+ O-N '59
- Annual report, 1959. S A E J 68:97-112 Ja '60
- Combined Transportation, Diesel engine, and fuels and lubricants meeting, Chicago, Oct. 26-30; abstracts of papers. Automotive Ind 121:64 D 1 '59
- National aeronautic meeting, Los Angeles, Oct. 5-9. Am Mach 103:127 O 19 '59
- National aeronautic meeting, Los Angeles, Oct. 5-9; abstracts of papers. S A E J 67:94-102 N '59
- National aeronautic meeting, New York, April 4-8. S A E J 68:100-7 My '60
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- National automobile week meeting, Detroit; with abstracts of papers. Automotive Ind 122:71+ Ap 15 '60
- National farm, construction, and industrial machinery meeting and Production forum, Milwaukee; abstracts of papers. S A E J 67:86-93 N '59
- National production meeting, Cleveland, March 22-24; with abstracts of papers. Automotive Ind 122:79+ Ap 15 '60
- National transportation, Diesel engine, and fuels and lubricants meetings; abstracts of papers. S A E J 67:83-8 D '59
- SAE's 1960 president, Harry E. Chesebrough. S A E J 68:90-1 Ja '60
- Summer meeting, Chicago, June 5-10; bibliography of papers presented. S A E J 68:98 Jl '60
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SOCIETY of chemical industry
- Annual general meeting, 79th, Bristol, July 4-9. Chem & Ind p741-808, 912-27 Je 25, Jl 16 '60
- Annual report of the council, 79th, with the accounts for the year ended Dec. 31, 1959. Chem & Ind p809-35 Je 25 '60
- Chemical engineering group annual dinner, 41st, London, Feb. 5. Chem & Ind p 187-9 F 20 '60

SOCIETY of cosmetic chemists
- Annual meeting, New York, Dec. 2; abstracts of papers. Am Perfumer & Aromatics 74:61+ D '59; Drug & Cosmetic Ind 86:38-9+ Ja '60; Soap & Chem Spec 36:65-6+ Ja '60
- Semi-annual meeting, New York, May 12; abstracts of papers. Drug & Cosmetic Ind 86:754-5+ Je '60; Soap & Chem Spec 36:56-7 Je '60; Am Perfumer & Aromatics 75:50+ Jl '60

SOCIETY of dyers and colourists
- Annual general meeting and dinner, 76th, Leeds, April 29. Soc Dyers & Col J 76:398-412 Jl '60
- Examination for the associateship (A.S.D.C.) 1959. Soc Dyers & Col J 76:65-73 F '60

SOCIETY of economic geologists
- Denver meeting, Oct. 31-Nov. 1, 1960; program and abstracts of papers. Econ Geol 55:1323-42 S '60
- Meeting, Pittsburgh, Nov. 1-4; program and abstracts of papers. Econ Geol 54:1340-62 N '59

SOCIETY of exploration geophysicists
- Annual international meeting, 29th, Los Angeles, Nov. 9-13; with abstracts of papers. Geophysics 24:1121-64 D '59
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- Constitution and bylaws; code of ethics. Geophysics 24:959-69 D '59
- Membership lists; officers and committees. Geophysics 24:970-1120 D '59

SOCIETY of mining engineers. See American institute of mining, metallurgical and petroleum engineers—Society of mining engineers

SOCIETY of motion picture and television engineers
- Directory for members. SMPTE J 69:1-92 pt 2 Ap '60
- Meeting, 86th, New York. SMPTE J 68:839-40+ D '59
- Meeting, 87th, Los Angeles, May 1-6; program with abstracts of papers and list of exhibitors. SMPTE J 69:184-90+ Mr '60
- President's report. N. L. Simmons. SMPTE J 68:801-2 D '59
- Progress committee report for 1959. il map diags SMPTE J 69:299-345 bibliog(p344-5) My '60
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- Semiannual convention, 86th, New York. Control Eng 6:30+ D '59
- Semiannual convention, 87th, Los Angeles, May 1-6. SMPTE J 69:432-4+ Je '60

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- Spring meeting, Washington, May 26-28; abstracts of papers. Marine Eng/Log 65:72-3 Jl '60

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SOCIETY of photographic instrumentation engineers
- Annual technical symposium and exhibition, 5th, Los Angeles, Aug. 1-4; program. Res/Develop 11:63+ Jl '60
- Meeting, Los Angeles. Electronics 33:48-9 S 9 '60

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- Annual technical conference, 16th, Chicago, Jan. 12-15; program. Mod Plastics 37:124+ D '59; Plastics World 18:12+ Ja '60

SOCIETY of rheology
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- Formation of an Industrial container institute in the Society. Safety Maint 119:20+ My '60
- National conference, Miami, Fla. May 11-13. Mod Plastics 37:supp Je '60
- Reinforced plastics conference, 15th, Chicago, Feb. 2-4; program. Mod Plastics 37:180+ D '59

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- Why Socony Mobil reorganized; interview with Herbert Willetts. Oil & Gas J 58:62-5 F 1 '60

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See also

Pavements, Soil-cement
Roads—Foundations—Soil-cement
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Building
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Electric lines
Electricity supply
Gold mines and mining
Harbors
Iron industry and trade
Miners
Mines and mineral resources
Oil shales
Railroads—Electrification
Steel industry and trade

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See also
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Electric standards
Fits (machinery)
Standards, Engineering

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British standards institution
Electric standards

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Production standards
Products, Certification of
Quality of products
Radio standards
Safety standards
Semiconductors
Standards engineers society
Television standards
Textile standards
Time standards
also subdivision Standards under special subjects, e.g.
Automobiles
Bearings, Ball
Bearings, Roller
Boilers
Cableways
Colorimeters and colorimetry
Concrete construction
Control equipment
Cranes, derricks, etc.
Drafting room practice
Electric apparatus and appliances
Electric batteries
Electric circuits
Electric distribution
Electric motors
Electric substations
Electric transformers
Electrohydraulic control
Electronic apparatus and instruments
Engineering drawings
Filters and filtration (technical chemistry)
Gas appliances
Gearing
Hardware
Hygiene, Industrial
Information storage and retrieval systems
Insulation (electric)
Internal combustion engines
Lighting
Lightning arresters
Lubrication and lubricants
Machine tools
Machinery
Magnetic tape
Metals
Mortar
Moving picture films
Moving picture machines
Moving picture sound recording
Moving pictures
Pallets
Paper
Photometry
Pipes
Pipes, Steel
Piping (power plants)
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Roads
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Building—Standards
Electric standards
Fits (machinery)
Standardization

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Rocks

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Food
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Chicago
Detroit
Los Angeles
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Minneapolis
New York (city)
Newark, New Jersey
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Philadelphia
Portland, Oregon
San Francisco
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Elasticity
Factor of safety
Fatigue in metals
Hardness
Impact
Metals—Failure
Stiffness
Strains and stresses
Tensile strength
Torsion
also subdivision Strength under special subjects, e.g.
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Glass
Paper
Plastics
Steel
Titanium

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Steel construction
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Steel construction—Design

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Electric testing
Impact
Laboratories
Magnetic testing
Sampling
Testing machines
Textile testing

also subdivision Testing under special subjects, e.g.

Aeronautic instruments
Air filters
Airplane engines
Airplanes, Military
Aluminum
Automobile parts
Beams and girders
Boilers
Brazing
Busbars
Cast iron
Castings
Ceramic materials
Chromium plating
Concrete
Concrete blocks
Corrosion and anti-corrosives
Cotton fibers
Cutting tools
Diesel engines
Diesel engines, Marine
Electric cables
Electric equipment
Electric lamps, Incandescent
Electric lines
Electric transformers
Electric welding
Enamel and enameling
Finishing materials
Frits
Gages
Gas engines
Gas turbines, Aircraft
Gas turbines, Marine
Gasoline
Glass
Guided missiles
Hardness
Internal combustion engines
Joints
Jute
Lenses
Linemens equipment
Lubricating greases
Magnetic materials
Metal powders
Metals
Milk
Mortar
Motor boats
Nickel plating
Nuclear reactors
Paint
Paper
Pipes, Steel
Plastics
Polyethylene
Polymers
Pumps
Refractory materials
Refrigeration and refrigerating machinery
Rubber
Rubber, Artificial
Ship plates
Springs (mechanism)
Steam turbines
Steel, Stainless
Television relay systems
Thread
Titanium
Titanium alloys
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Equipment

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Rolls (textile machinery)
Slashers (textile mills)
Spinning machinery
Textile finishing machines
Textile printing machines
Textile testing machines
Twisting machines
Warping machines
Winding machines
Woolen and worsted machinery

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Heating industry
Machinery industry
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Chemical plants
Corn products plants
Distilleries
Electroplating
Food factories
Metal working plants
Metallurgical plants
Packing houses
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Petroleum pipe lines
Ports
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Geology
Iron mines and mining
Petroleum
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Air filters
Air pollution
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Cooling
Dust removal
Electric fans, Ventilating
Exhaust systems
Fans, Mechanical
Gas appliances—Ventilation
Mine ventilation
Tunnel ventilation
also subdivision Heating and ventilation under special subjects, e.g.
Airplane factories
Apartment houses
Automobile factories
Automobiles
Bank buildings
Barns and stables
Chemical laboratories
Chemical plants
Churches
College buildings
Electric plants (central stations)
Factories
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Compressors
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Retaining walls

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Bridges
Geology
Hydroelectric plants
Public health
Roads

WASHROOMS. See Lavatories

WASTE

See also
Metal waste
Salvage (waste, etc.)
Scrap material
Scrap metal
Trade waste
Waste paper
Wood waste
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Chemical plants
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Hospitals
Paper and pulp mills
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Furnaces, Recuperative and regenerative
Heat exchangers
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Flue dust
Lignin
Packing houses—By-products
Paper making—By-products
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Sawdust
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Tailings
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Drops
Feed water
Floods
Fog
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Lakes
Moisture
Ocean
Sea water
Water supply
Waves

Aeration

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Settling basins
Water—Deactivation and deaeration
Water softening
Water supply for factories
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Reservoirs
Water tanks

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Fire service (water supply)
Hot water supply
Pumping stations
Reservoirs
Water, Underground
Water collectors
Water conservation
Water consumption
Water distribution
Water districts
Water purification
Water storage
Water supply engineering
Water tanks
Watersheds
Waterworks
Wells

also subdivision Water supply under names of places, e.g.

Aberdeen, South Dakota
Albuquerque, New Mexico
Alliance, Ohio
Asuncion, Paraguay
Baltimore
Belleville, Ontario
Binghamton, New York
Bloomington, Minnesota
Brighton, Colorado
Cedar Rapids, Iowa
Charlottesville, Virginia
Chicago
Cleveland
Clinton, South Carolina
Coalinga, California
Corpus Christi, Texas
Council Bluffs, Iowa
Dallas
Decatur, Alabama
Denver
Detroit
Fort Lauderdale, Florida
Hammond, Illinois
Hammond, Indiana
Hanford, Washington
Hong Kong
Honolulu
Hudson, New York
Idaho Falls, Idaho
Indianapolis
Inman, South Carolina
Johnstown, Pennsylvania
Kingston, New York
London
Lorain, Ohio
Los Angeles
Lyons, Colorado
Manchester, New Hampshire
Miami, Florida
Midland, Michigan
Milwaukee
Murphysboro, Illinois
Nashville, Tennessee
New Haven, Connecticut
New London, Connecticut
New York (city)
Newark, Delaware
Oakland, California
Omaha, Nebraska
Orlando, Florida
Palmyra, New York
Pasco, Washington
Philadelphia
Portland, Oregon
Portsmouth, Virginia
Providence, Rhode Island
Racine, Wisconsin
Saigon, Vietnam
St Paul, Minnesota
Salida, Colorado
San Angelo, Texas
San Antonio, Texas
San Jose, California
Schenectady, New York
Seattle
Sydney, Australia
Tampa, Florida
Toledo, Ohio
Washington, D.C.
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